CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Dec. 18	Akron, O.	Dec. 14
Dec. 19	Houma, La.	Nov. 23
Dec. 19	Brooklyn, N. Y. Adv. Nov. 30 to Dec. 14.	Nov. 30
Dec. 20	Drumheller, Alta.	Dec. 7
Dec. 21	Wheeling, W. Va. Adv. Dec. 14.	Dec. 14
Dec. 21	Corinth, Miss. Adv. Dec. 14.	Dec. 14
Jan. 15	Cyril, Okla.	Dec. 14
Feb. 1	Spokane, Wash.	Nov. 16

SEWERS

Dec. 18	Oakley, Kan.	Dec. 14
Dec. 19	Sand Springs, Okla.	Dec. 14
Dec. 21	Corinth, Miss. Adv Dec. 14.	Dec. 14
Dec. 23	Lincoln, Neb.	Dec. 14
Dec. 28	Indianapolis, Ind. Adv. Dec. 7 and 14.	Dec. 7
Jan. 2	Wilkes Barre, Pa. Adv. Dec. 14.	Dec. 14

WASTE DISPOSAL

Dec. 18	Allentown, Pa.	Nov. 23
Dec. 29	Portland, Ore.	Nov. 30
Jan. 24	Fargo, N. D. Adv. Dec. 7 and 14.	Dec. 7

BRIDGES

Dec. 19	West Virginia	Nov. 30
Dec. 19	Trenton, N. J.	Dec. 7
Dec. 19	Boston, Mass.	Dec. 14
Dec. 19	Colorado Springs, Colo.	Dec. 14
Dec. 21	Coquille, Ore.	Dec. 7
Dec. 21	Illinois	Dec. 14
Dec. 26	California	Dec. 7
Dec. 28	Sterling, Ill.	Dec. 7
Dec. 28	Minnesota	Dec. 7
Dec. 28	Windom, Minn.	Dec. 14
Jan. 23	Spokane, Wash	Sept. 21
Apr. 1	Wilkes-Barre, Pa.	Dec. 14
Sept. 1, 1923,	Sydney, New South Wales, Australia	Aug. 3

DAMS

Jan. 5	Bluefield, W. Va. Adv. Nov. 30 to Dec. 14.	Nov. 30

RAILWAYS

Jan. 1	Washington Adv. Nov. 30 to Dec. 14.	Dec. 7

EXCAVATION, DRAINAGE, IRRIGATION

Dec. 30	Greenfield, Ind. Adv. Dec. 14.	Dec. 14
Jan. 9	Glencoe, Minn.	Dec. 14

STREETS AND ROADS

Dec. 18	California	Dec. 7
Dec. 18	Cincinnati, O.	Dec. 14
Dec. 19	Ohio	Dec. 14
Dec. 19	Topeka, Kan.	Nov. 23
Dec. 19	New York Adv. Nov. 30 to Dec. 14.	Nov. 30
Dec. 19	West Virginia	Nov. 30
Dec. 19	Ohio	Dec. 7
Dec. 19	Emporia, Kan.	Dec. 7
Dec. 19	Allendale, S. C.	Dec. 7
Dec. 19	Maiden, N. C.	Dec. 14
Dec. 19	St. George, N. Y	Dec. 14
Dec. 20	Kentucky	Dec. 14
Dec. 20	San Angelo, Tex.	Dec. 14
Dec. 21	Brooklyn, N. Y	Dec. 14
Dec. 21	Clarksville, Tex.	Dec. 14
Dec. 21	Arcata, Calif.	Dec. 7
Dec. 21	Illinois	Dec. 14
Dec. 22	Spokane, Wash.	Nov. 2
Dec. 22	Eldorado, Kan.	Nov. 23
Dec. 22	Duluth, Minn.	Nov. 30
Dec. 22	Duluth, Minn.	Dec. 7
Dec. 22	Ohio	Dec. 14
Dec. 23	Mound City, Kan.	Nov. 30
Dec. 26	California	Dec. 7
Dec. 26	Santa Rosa, Calif.	Dec. 14
Dec. 26	Penns Grove, N. J. Adv. Dec. 14.	Dec. 14
Dec. 27	Chaska, Minn.	Dec. 14
Dec. 27	Pennsylvania	Dec. 14
Dec. 28	Mobile, Ala. Adv. Nov. 30 to Dec. 14.	Nov. 30
Dec. 28	Minnesota	Dec. 7
Dec. 28	Louisiana	Dec. 14
Dec. 28	Olivia, Minn.	Dec. 14
Dec. 29	Kansas City, Kan.	Dec. 7
Dec. 30	Quebec	Nov. 23
Dec. 30	Quebec	Nov. 2
Dec. 30	Quebec	Nov. 9
Dec. 30	Quebec	Nov. 16
Dec. 30	Quebec	Nov. 30
Jan. 2	St. Louis, Mo.	Dec. 7
Jan. 5	Larned, Kan.	Dec. 7
Jan. 7	Duluth, Minn.	Sept. 28
Jan. 24	Faribault, Minn.	Dec. 14

INDUSTRIAL WORK

Dec. 18	Shelbyville, Ill.	Dec. 14
Jan. 2	St. Louis, Mo.	Dec. 7
Jan. 4	Delaware, O.	Dec. 14

BUILDINGS

Dec. 18	Bakersfield, Calif.	Nov. 16
Dec. 18	Santa Barbara, Calif.	Nov. 30
Dec. 18	Port Huron, Mich.	Dec. 14
Dec. 19	Albany, Ala.	Dec. 7
Dec 20	Binghamton, N. Y.	Nov. 23
Dec. 20	Raleigh, N. C.	Dec. 14
Dec. 20	Holmesburg (Phila. P. O.), Pa.	Dec. 14
Dec. 21	Hancock, Mich.	Nov. 30
Dec. 22	McCombs, O.	Nov. 30
Dec. 24	Kansas City, Mo.	Dec. 14
Dec. 28	Kenosha, Wis.	Nov. 30
Dec. 28	St. Charles, Mo.	Dec. 7
Jan. 2	Olean. N. Y.	Nov. 9
Jan. 2	Duluth, Minn.	Nov. 23
Jan. 2	Lawrence, Kan.	Dec. 14
Jan. 3	Cleveland, O.	Dec. 14
Jan. 4	Arlington, O.	Dec. 14
Jan. 4	Baker, La.	Dec. 14
Jan. 5	Bath, N. Y. Adv. Dec. 14.	Dec. 14
Jan. 10	Nashville, Tenn.	Dec. 7
Jan. 11	Elizabeth, N. J. Adv. Dec. 14.	Dec. 14
Mar. 23	Shreveport, La.	Nov. 9

FEDERAL GOVERNMENT WORK

Dec. 18	Buildings, Electrical Work, etc.—Livermore, Calif.	Nov. 23
Dec. 20	Barges—Milwaukee, Wis. Adv. Dec. 7 and 14.	Nov. 23
Dec. 20	Lock Gates — Pittsburgh, Pa. Adv. Nov. 23 to Dec. 14.	Nov. 23
Dec. 20	Excavating Cut-offs—Wilmington, Del. Adv. Nov. 23 to Dec. 14.	Nov. 23
Dec. 20	Repairs—San Diego, Calif.	Nov. 23
Dec. 20	Pier Extension—Puget Sound, Wash.	Nov. 23
Dec. 20	Riprapping Dike—Mare Island, Calif.	Nov. 23
Dec. 20	Quarters, etc. — El Paso, Tex. Adv. Nov. 30 to Dec. 14.	Nov. 30
Dec. 21	Breakwater—Phila., Pa.	Nov. 23
Dec. 26	Barge—Wilmington, N. C. Adv. Nov. 30 to Dec. 14.	Nov. 30
Dec. 26	Remodeling—Rockford, Ill.	Dec. 7
Dec. 26	Scows—Portland, Ore.	Dec. 14
Dec. 26	Fuel Oil—Phila., Pa.	Dec. 14
Dec. 27	Post Office—Leesburg, Va. Adv. Dec. 7 and 14.	Dec. 7
Dec. 27	Quarters—Edgewood Arsenal, Md. Adv. Dec. 14.	Dec. 14
Dec. 27	Covering Railroad Track—San Diego, Calif.	Dec. 7
Dec. 28	Hospital — Tupper Lake, N. Y. Adv. Dec. 7 and 14.	Dec. 7
Dec. 28	Equipment, etc.—Tupper Lake, N. Y.	Dec. 7
Dec. 28	Radial Brick Stack—Tupper Lake, N. Y.	Dec. 7
Dec. 28	Water Tank—Tupper Lake, N. Y.	Dec. 7
Dec. 28	Remodeling—Phila., Pa.	Dec. 14
Dec. 28	Drainage System—Tupper Lake, N. Y.	Dec. 14
Dec. 28	Roads, etc.—Tupper Lake, N. Y. Adv. Dec. 14.	Dec. 14
Dec. 29	Changes — Birmingham, Ala. Adv. Dec. 14.	Dec. 14
Dec. 30	Power House — Huntington, W. Va. Adv. Dec. 7 and 14.	Dec. 7
Dec. 30	Dredging Pump—Florence, Ala. Adv. Dec. 7 and 14.	Dec. 7
Jan. 3	Piers—Pearl Harbor, H. T.	Nov. 16
Jan. 3	Drainage System—Del Rio, Tex.	Dec. 14
Jan. 5	Dredge—Cincinnati, O. Adv. Dec. 7 and 14.	Dec. 7
Jan. 15	Pipe Line Dredge—Cincinnati, O.	Dec. 14
Jan. 16	Hospital—Tacoma, Wash. Adv. Dec. 14.	Dec. 14
Jan. 24	Refrigerating and Ice-Making Plant—Pearl Harbor, H. T.	Dec. 14

MISCELLANEOUS

Dec. 16	Crushed Stone, etc.—Phila., Pa.	Dec. 14
Dec. 17	Portland Cement—St. Louis, Mo.	Dec. 14
Dec. 18	Coal Handling Plant — Melbourne, Victoria, Australia	Sept. 21
Dec. 19	Wood Paving Blocks — New York, N. Y.	Dec. 14
Dec. 20	Bridge Material, etc. — Corydon, Ia.	Dec. 7
Dec. 21	Culvert—Riverdale, Ark.	Dec. 7
Dec. 21	Portland Cement—Brooklyn, N. Y.	Dec. 14
Dec. 22	Pier—San Diego, Calif.	Dec. 14
Dec. 22	Subway—Brooklyn, N. Y.	Dec. 14
Dec. 22	Pile Driving — Milwaukee, Wis. Adv. Dec. 14.	Dec. 14
Dec. 26	Bulkhead, etc. — Mineola, N. Y. Adv. Dec. 14.	Dec. 14
Dec. 27	Dock Wall—Buffalo, N. Y. Adv. Nov. 30 to Dec. 14.	Nov. 30
Dec. 28	Crane—Kilgard, B. C.	Dec. 14
Jan. 1	Transmission Line—Spokane, Wash.	Nov. 9
Jan. 15	Pumping Machinery—Esquimalt, B. C.	Dec. 14

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Rochester—Lake Shore Water Dist. having preliminary plans prepared 10 mi. of 6¼ in. mains. $180,000. R. E. Gaskin, 207 Cutler Bldg., engr.

N. C., Davidson — Plan reservoir, steel tank and pumping equipment. Supply will be obtained from wells or creek. $60,000. W. H. Thompson, clk. Mees & Mees, Kinney Bldg., Charlotte, engrs.

N. C., Roxboro—Plans new water supply system. To exceed $25,000. Ludlow Engineers, Winston-Salem, engrs.

La., Plaquemine—Voted $150,000 bonds for waterworks and electric light system.

O., Columbus—See "Streets and Roads."

Ia., Laurel—Making plans waterworks and sanitary sewerage systems. $40,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Tex., Elgin.—Voted $40,000 bonds for waterworks improvements. Address Mayor. Noted Nov. 16.

Tex., Greenville—See "Streets and Roads."

Okla., Woodward—Soon takes bids new water plant and distribution system. $175,000. Black & Veatch, 701 Mutual Bank Bldg., Kansas City Mo., engrs. Noted Dec. 7.

Colo., Grand Junction—Dec. 22, to vote on $190,000 bond issue for waterworks improvements, incl. filtration plant. Burns & McDonnell, Interstate Bldg. ,Kansas City, Mo., engrs.

Idaho, Lewiston—City retained Burns & McDonnell, engrs., Inter-State Bldg., Kansas City, Mo., to investigate and report on proposed improvement and enlargement of municipal water supply, Investigation will include all possible sources of supply, processes of purification, filtration and distribution systems. Cost $175,000 to $350,000 depending on system adopted. Noted Nov. 16.

Waterworks (Continued)

Ont., Ingersoll—Election in January to vote on $25,000 bonds for repairing waterworks plant, and extensions.

BIDS DESIRED

W. Va., Wheeling—Dec. 21, (change of date), for pumpage and power machinery for new waterworks plant. C. H. Dowler, city mgr.; adv. this issue. Noted Nov. 16.

Miss., Corinth—Dec. 21, by M. T. Sharp, city clk., improvements to waterworks system. Fuller & Beard, Title Guaranty Bldg., St. Louis, Mo., consult. engrs.; adv. this issue. Noted Oct. 12.

O., Akron—Dec. 18, by B. J. Hill, purch. agt., for 170 ton 12 in., 20 ton 8 in., 280 ton 6 in., 10 ton 6 in. and 10 ton 4 in. Class "B" pipe, 45 ton standard special castings under 6 in. and 1 ton standard special castings over 6 in.

O., Delaware—See "Industrial Works."

Mo., St. Louis—See "Miscellaneous."

Okla., Cyril—Jan. 15, by City Clerk, elevated tank, 1 mi. 6 in. and 2 mi. 4 in. pipe, 1 deep well pump. $31,000 bonds voted. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Nov. 23.

BIDS RECEIVED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, opened bids Dec. 5, mains in Astoria St., here, from F. L. Paino, 572 1st St., Brooklyn, $39,731; Marino Paino Co., $40,305; N. Peduto, $43,215. Noted Nov. 30.

Que., Montreal—R. Bauset, city clk., opened bids distribution control building for new pumping station on Atwater Ave., from E. G. M. Cape & Co., Cathcart St., $167,000; Quinlan Robertson & Janin Co., 52 Duluth Bldg., control building and appurtanences, $79,000, steel pipe and appurtanences, $79,000, total $167,700; J. Quinlan Co., Green Ave., control building and appurtanences, $80,354, steel pipe and appurtanences, $79,855, total $170,307.

CONTRACTS AWARDED

N. C., Kings Mountain — Constructing 500,000 gal. concrete reservoir, pumping station, concrete sewerage sedimentation tank, 2 mi. 6 to 14 in. water line and 2 mi. sewer line, to Guion & Withers, Gastonia, $59,770. Noted Nov. 16.

N. C., Newton—Constructing filtration plant, 7 mi. water and sewer lines, to Electrical Constr. Co., 26 West 5th St., Charlotte, $75,000. Noted July 20.

Tenn., Memphis — Artesian Water Co. pumping station, 400,000 gal. reservoir, etc: Contr. 7, superstructures, main building, part of equipment and outside work, to Ganger-Korsmo Co., 301 Endicott Bldg., St. Paul, Minn., $474,815; Contr. 8 coal and ash handling system, to Link-Belt Co., 910 South Michigan Ave., Chicago, $26,800; Contr. 9 secondary pumping units, to Worthington Pump & Mchy. Co., 115 Bway., New York City, $8,700; Contr. 10, engines, generators and switch boards, to Chase Engine & Mfg. Co., Memphis, (street address not available) $22,272. Noted Oct. 26.

O., Cleveland—Cuyahoga Co. 2,690 ft. 12 in. c. i. mains in Ridge Rd. north of Linndale Rd., to Gantose Constr. Co., Columbia Bldg., $15,338. Noted Dec. 7.

O., Cleveland—For 2,700 ft. 36 and 48 in. c.i. mains in Park Lane, Carnegie and Frank Aves., Baldwin-Fairmount Project, Contr. 17, to D. Lowensohn, Davis & Farley Bldg., $234,690.

Tex., Pampa—For 14,700 ft. 6-8 in. c.i. Class B pipe, 14,000 ft. 2 in. galvanized iron pipe, 25 fire hydrants, 22 gate valves, etc., in place, to R. Frick, Plainview, $25,992. Noted Nov. 23.

Sewers

PROPOSED WORK

N. Y., Saranac Lake—Sewer and Water Bd. rejected bids opened Nov. 27, furnishing two 3,000,000 gal. horizontal double-acting duplex plunger type pumps and chain drive equipment for each pump. Noted Nov. 23.

N. J., Newark—Plans prepared for additional storm water drains to relieve flooded conditions during heavy storms in sewer districts in southeast section of city, principally along Pennsylvania R.R. tracks and Frelinghuysen Ave. $292,000. Alexander Potter, 50 Church St., New York City, civil engr.

Pa., Berwick—Plans new sewers. $80,000. Alexander Potter, 50 Church St., New York, consult. engr. This corrects report in Nov. 30 issue.

Pa., Lewistown—See "Miscellaneous" under Bids Desired.

N. C., Davidson—Plans sewerage system. $30,000. W. H. Thompson, clk. Mees & Mees, Kinney Bldg., Charlotte, engrs.

O., Akron — Plans to issue $1,200,000 bonds for trunk sewers in various parts of city, incl. North Hill, East Akron, South Akron and West Hill. This is part of $3,000,000 bonds recently voted. J. E. Root, Delaware Bldg., engr. Noted Nov. 23.

Mich., Highland Park (Detroit P. O.)—Had plans prepared 1,518 ft. Sects. 1 and 2, public sewers, 2 and 3 ring brick, 194 ft. 60 in. pipe and 1,324 ft. 48 in. pipe. L. C. Whitsit, 28 Gerald Ave., Highland Park, engr.

Mich., Holland—Had surveys made for rein.-con. sewage disposal plant. $50,000. Pearse, Greeley & Hansen, West Adams St., Chicago, engrs.

Ill., Champaign—See "Urbana."

Ill., Urbana—Urbana-Champaign Illinois Sanitary Dist. having plans prepared for intercepting sewers and sewage disposal plant. $500,000. Pearce, Greeley & Hansen, 39 West Adams St., Chicago, engrs.

Ia., Laurel—See "Waterworks."

Kan., Pittsburg—Soon takes bids sewage disposal plant. $125,000. Black & Veatch, 701 Mutual Bank Bldg., Kansas City, Mo., engrs. Noted Nov. 30.

Kan., Wichita—Making plans 13 blocks storm water sewers. $120,000. P. L. Brockway, city engr.

Mo., Gallatin—Soon takes bids new sanitary sewerage system. $60,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Mo., Neosho—Plans election soon to vote on $120,000 bonds for new sanitary sewerage system. Black & Veatch, 701 Mutual Bank Bldg., Kansas City, engrs.

Tex., Greenville — See "Streets and Roads."

Wash., Pullman—Having plans prepared sanitary sewage disposal system. $63,000. Green & Green, Spokane, (street address not available), engrs. Noted Oct. 19.

Ont., Ft. Erie—Plans sewage disposal plant. $45,000. W. C. Redfern, c/o James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Milton—Plans sewerage system. $50,000. G. A. Hemstreet, clk.

BIDS DESIRED

Pa., Wilkes-Barre—Jan. 2, by F. H. Gates, city clk., brick or segmental block sewer. B. K. Finch, city engr.; adv. this issue.

Miss., Corinth—Dec. 21, by M. T. Sharp, city clk., improvements to sewerage system. Fuller & Beard, Title Guaranty Bldg., St. Louis, Mo., consult. engrs.; adv. this issue. Noted Oct. 12.

Wis., Milwaukee—See "Miscellaneous."

Kan., Oakley—Dec. 18, by K. W. Davis, city clk., sanitary sewerage system and disposal works, incl., 25 flush tanks, 63 manholes, 260 lin.ft. 12 in. c.i. pipe, 24,710 lin.ft. 8-12 in. vitr. clay pipe, 26,889 lin.ft. trenching, 5,000 lin.ft. ¾ in.-2 in. W S pipe, 42 in. covering. C. A. Hoskins, 517 Finance Bldg., Kansas City, Mo., consult. engr. Noted Nov. 16.

Neb., Lincoln—Dec. 23, by Bd. Trustees Sanitary Dist. 1, Lancaster Co., for labor on c.i. pipe, and material and labor on other metal for sprinkling sewage filter. Bids also on 27,000 cu.yd. crushed stone in place in said filter. W. C. Israel, secy. Grant, Fulton & Letton, Bankers Life Bldg., engrs.

Okla., Sand Springs — Dec. 19, sanitary sewer outlet and storm sewers, bids on pre-cast concrete monolithic and segment block sewer pipes. Sanitary sewers include 3,050 ft. 12 in., 3,100 ft. 24 in. and 620 ft. 30 in. pipe; storm sewers include 2,650 ft. 12 to 30 in. and 4,500 ft. 36 to 72 ft. pipe. $90,000. Holway Eng. Co., 505 New Wright Bldg., Tulsa, engrs. Noted Aug. 31.

BIDS RECEIVED

N. J., Newark—Passaic Valley Sewerage Comrs., 128 Market St., opened bids Dec. 5, local sewer connections at Bridge and Orange Sts., from H. L. Harrison, Newark (street address not available), $29,800; Culp Co., Inc., 412 East 37th St., Paterson, $29,858; Arnolt-More, Inc., 45 Clinton St., $32,500.

Mich., Springwells—B. P. Esper, village clk., opened bids Nov. 28, sewers, (1) Sect. 20, incl. 430 ft. 36 in., 344 ft. 54 in., 978 ft. 39 in., 340 ft. 60 in., 1,953 ft. 42 in., 580 ft. 66 in., 335 ft. 48 in. pipe (2) Sect. 21 incl. 305 ft. 27 in., 468 ft. 72 in., 408 ft. 36 in., 626 ft. 54 in., 653 ft. 63 in. pipe, from C. R. Lennane, 2631 Woodward Ave., Detroit, (1) $74,618, (2) $42,541; W. Blanck & Co., 823 Ford Bldg., Detroit, (1) $76,984; J. Porath, 745 Griswold St., Detroit, (1) $77,065, (2) $42,283; Detroit Drainage Constr. Co., 5099 Lemay Ave., Detroit, (2) $40,854. Noted Nov. 23.

CONTRACTS AWARDED

Pa., Mt. Lebanon—Sanitary sewerage system, incl. 2,500 lin.ft. 10 in. and 7,000 lin. ft. terra cotta pipe, Sunset Hills, to M. Ott & Co., 412 Warrington Ave., Pittsburgh. Engrs. est. $25,000.

N. C., Newton—See "Waterworks."

Wis., Madison—Wisconsin Hospital Assn., sewage disposal plant incl. equipment, to T. S. Willis & Co., 328 Hayes Blk., Janesville. Noted Nov. 23.

Mo., St. Joseph—For Black-Snake Main Sewer, to Reinert Bros. Constr. Co., 1208 North 5th St., and Pub. Wks. Co.

Mo., St. Louis—See "Streets and Roads."

Wash., Seattle—Bd. Pub. Wks., sewers and grading in 16th Ave. N.W., et al., 4,016 ft. 10-15 in. clay pipe, 18,850 cu.yd. grading, to J. W. Tomei & Co., 1017 East 66th St., $30,298.

Calif., Oakland—Sewers in Melrose Acres, to W. J. Schmidt, 2025 Shattuck Ave., 17,960 ft. 8 in. vitr. pipe at $1.50, 36 manholes $100, 21 standpipes $10, 63 lampholes $10. Noted Oct. 26.

Calif., Santa Ana—Cities of Santa Ana, Orange, Anaheom and Fullerton, constructing outfall sewer line to ocean, to J. Chutuk, Bullard Bldg., Los Angeles $138,855. Noted Nov. 16.

Waste Disposal

PROPOSED WORK

Fla., Tapa—Plans incinerator and repairs to present one. $30,000. R. D. Martin, city engr.

Bridges

PROPOSED WORK

N. Y., Elma—Had plans prepared by G. C. Diehl, 577 Ellicott Sq., Buffalo, and takes bids within month for Porterville Bridge over Buffalo Creek on town line between here and Marilla, Erie Co., to have 140 ft. steel truss span, concrete abutments about 14 ft. high, 20 ft. clear roadway, rein.-con. floor.

Wis., Antigo—See "Streets and Roads."

Wis., Black River Falls—Wisconsin Hy. Comn., Madison, plans 8 span truss bridge, here. $130,000. C. Burlow, state bridge engr.

Wis., Black River Falls—See "Streets and Roads."

Wis., Darlington — See "Streets and Roads."

Wis., Elkhorn—See "Streets and Roads."

Wis., Friendship — See "Streets and Roads."

Wis., Hayward—See "Streets and Roads."

Wis., Jefferson—See "Streets and Roads."

Wis., Lancaster—See "Streets and Roads."

Wis., Medford—See "Streets and Roads."

Wis., Milwaukee — See "Streets and Roads."

Wis., Oconto—See "Streets and Roads."

Wis., Richland Center—See "Streets and Roads."

Ia., Northwood—Worth Co. had plans prepared for four I-beam and 3 pony truss bridges, 49 culverts and extensions, 1,974 cu.yd. rein.-con., 85.85 ton steel, 124,095 lb. reinforcing. $59,538. F. R. Lyford, Northwood, engr.

Okla., Bartlesville—Washington Co. had plans prepared rein.-con. bridge over Caney River on 7th St., 300 ft. arch, 24 ft. roadway. $50,000, Wood & Witten, 245 Lynch Bldg., Tulsa, engrs.

Ont., Collingwood—Simcoe Co. plans to rebuild Edenvale Bridge, 160 ft., concrete or steel, near here. $50,000. R. J. Fletcher, Barrie, co. clk.

B. C., Courtenay—Dept. Pub. Wks., Victoria, having plans prepared and takes bids about January, steel bridge, concrete piers and abutments, 250 ft. long incl. approaches, over Courtenay River. $30,000. P. Philip, c/o Dept. Pub. Wks., Victoria, engr.

BIDS DESIRED

Mass., Boston—Dec. 19, by J. A. Rourke, comr. Pub. Wks. Dept., City Hall, one 110 ft. span, steel and concrete girder bridge, 100 ft. wide, over Boston & Albany R.R. on Beacon St. $100,000. J. E. Carty, City Hall, bridge engr.

Pa., Wilkes-Barre—April 1, concrete and iron bridge over South St. $500,000. Greiner Eng. Co., Fidelity Bldg., Baltimore, Md., consult. engrs. Noted Oct. 19.

Ohio—See "Streets and Roads"..

Illinois—Dec. 21, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, 2 rein.-con. bridges, one 22 ft. span and one with two 50 ft. spans, Route 1, Sect. 13-B, Wabash Co.; one rein.-con. two 50 ft. spans, Route 1, Sect. 15-B, Lawrence Co.; 2 rein.-con., 1 with eleven 40 ft. spans, 1 with twenty-two 40 ft. spans, also substructure for steel bridge with three 150 ft. spans, Route 1, Sect. 16-B, Lawrence Co.; super-

Bridges **(Continued)**

structure for 1 steel, three 150 ft. spans, Route 1, Sect. 16-C, Lawrence Co.; 1 steel bridge with three 150 ft. spans, Route 1, Combination Z, Lawrence Co.; 3 rein.-con., 1 with two 50 ft. spans, 1 with twenty-two 40 ft. spans, 1 with eleven 40 ft. spans, also substructure for 1 steel with three 150 ft. spans, Route 1, Combination A-1, Lawrence Co.; 5 rein.-con. bridges, 1 with one 22 ft. span, 2 with two 50 ft. spans, 1 with twenty-two 40 ft. spans, 1 with eleven 40 ft. spans, also substructure for 1 steel with three 150 ft. spans, Route 1, Combination C-1, Wabash-Lawrence Co.; 5 rein.-con., one with one 22 ft. span, 2 with two 50 ft. spans, 1 with twenty-two 40 ft. spans, 1 with eleven 40 ft. spans, also 1 steel with three 150 ft. spans on Route 1, Combination D-1, Wabash-Lawrence Co.; 2 rein.-con., 1 with two 12 ft. spans and 1 with two 55 ft. spans, Route 26, Sect. 1-B, Stephenson Co.; 3 rein.-con., 1 with one 50 ft. span, 1 with three 40 ft. spans and 1 with three 60 ft. spans, Route 42, Sect. 112, Cook Co.; repairing 1 rein.-con., with one 20 ft. span, Route 9, Sect. W-1, Cook Co. C. H. Older, ch. highway engr.

Illinois—See "Streets and Roads."

Minn., Windom—Dec. 28, by State Hy. Dept., St. Paul, Bridge 3799 over Des Moines River, here, three 40 ft. concrete spans, 24 ft. roadway, two sidewalks, $25,000. J. T. Ellison, state bridge engr.

Colo., Colorado Springs—Dec. 19, by State Hy. Dept., Denver, steel and timber bridge on Hoffman Crossing of San Creek about 5 mi. east of here, El Paso Co., 379,200 lb. structural steel, 47,500 ft. b.m. creosoted lumber, 1,400 cu.yd. borrow fill. $26,399. L. D. Blauvelt, state highway engr.

BIDS RECEIVED

Alabama—State Hy. Dept., Montgomery, constructing concrete bridges, girder and slab type, on Sects. A and B, Birmingham-Montgomery Highway, Shelby Co., from J. W. Gwin, Jefferson Co. Bank Bldg., Birmingham, $80,447; Estes, Williams, Ragsdale Co., Scimitar Bldg., Memphis, Tenn., $81,189; F. M. Dobson & Son, 107 Pine St., Montgomery, $81,260. Noted Nov. 16.

Colorado—See "Streets and Roads."

Wash., Seattle—Bd. Pub. Wks. opened bids Dec. 8, bridge over West Waterway, West Spokane St., from Jahn & Bressi, Thompson Bldg., Strauss design $444,923, City design $460,700. Combination bid submitted by 3 contractors as follows: furnishing and delivering steel at bridge site, from Bethlehem Shipbuilding Corp., Morris Bldg., Phila., $260,863; erecting steel, from Gerrick & Gerrick Co., Central Bldg., $105,400; electrical equipment, from Butte Electric and Mfg. Co., 534 Folsom St., San Francisco, Calif., $24,422. Noted Nov. 16.

CONTRACTS AWARDED

N. J., Cape May—Cape May Co., bridge across Grassey Sound Channel, incl. Strauss bascule draw span, etc., on line of North Wildwood to Burleigh Rd. in Middle Twp., to C. R. Camp, 10 South 18th St., Phila., $167,260. Noted Nov. 16.

N. J., Freehold—Monmouth Co., Court House, reconstructing Grand Ave. bridge N-14, over Sunset Lake, consisting of three 40 ft. spans, etc., to O. J. Melee, 72 Branchport Ave., Long Branch, $19,059. Noted Nov. 16.

Mich., Dearborn—State Hy. Dept., Lansing, Bridge 820304, pony pratt truss, 86 ft. long, 27 ft. roadway, two 5 ft. walks, incl. 223,000 lb. steel, to Standard Eng. & Constr. Co., Toledo, O., (street address not available), $31,067.

Colorado—See "Streets and Roads."

Dams

PROPOSED WORK

Pa., Phila.—Takes bids in spring constructing concrete dam. $600,000. C. E. Davis, City Hall, engr.

N. H., Bristol — Utilities Power Co., Meredith, having plans prepared by Jackson & Moreland, archts. and engrs., 387 Washington St., Boston, Mass., 55 x 1,200 ft. dam, and 1 story hydro-electric power plant, on Pemigewassett River, Ayers Island. $600,000. Noted Sept. 28.

Ind., Ft. Wayne—Bd. Pub. Wks. having plans prepared by C. Brossman, engr., 1503 Merchants Blk. Bldg., Indianapolis, and takes bids within 60 to 90 days, collapsible dam, near Walton Ave. Bridge. Cost not to exceed $200,000. F. Randall, city engr.

Tex., Laredo—R. W. Morrison plans new power dam across river, 5 mi. from here, 30 ft. high to develop 5,000 hp.

Calif., Wendel—See "Excavation, Drainage and Irrigation."

B. C., Cloverdale—Surrey Dyking Comrs. sold $25,000 bonds to repair Nicomeke Dam, here.

Railways

PROPOSED WORK

Pa., Phila.—See "Miscellaneous."

Washington — Biles-Coleman Mill Co., Okanogan, having surveys made constructing standard gage logging road from Lumber mill to Omak Creek. $40,000. M. D. Mohler, Okanogan, ch. engr.

Ontario—Waterloo Wellington Ry., King St., W., Kitchener, seeking franchise to run into Guelph, 15 mi. electric line. W. H. Breithaupt, pres.

Excavation, Drainage, Irrigation

PROPOSED WORK

Utah, Price—Price River Conservation Water Dist. plans irrigation system. $750,000. Engineer not selected.

Wash., Granger—Granger Irrigation Dist. adopted plans of Reclamation Service for irrigating 1,500 acres of land near here. $225,000.

Calif., Wendel—J. J. Fleming plans to organize district to irrigate 20,000 acres, incl. 30 mi. canal, 15 ft. on top, 10 ft. wide at bottom, concrete diversion dam, 5 ft. high, 50 ft. long, storage dam to store 65,000 ac.ft., concrete or earthfill construction. $350,000. C. R. Caudel, Wendel, engr.

Ont., Owen Sound—Dept. Pub. Wks., plans dredging operations in harbor to deepen channel. $25,000. S. H. Craig, Royal Bank Bldg., London, engr.

BIDS DESIRED

Ind., Greenfield—Dec. 30, at Surveyors Office, Room L, Court House, constructing George W. Putterbaugh et al Ditch. C. Boone, Greenfield, engr.; adv. this issue.

Minn., Glencoe—Jan. 9, by McLeod Co., Co. Ditch 36, Hale Twp., 15,000 lin.ft. open ditch, 72,373 cu.yd. excav., 4,000 lin.ft. lateral, 14,839 cu.yd. excav., 20,000 lin.ft. 6-16 in. tile. $25,000. J. J. Leasman, co. aud. C. Madson, Hutchinson, engr.

CONTRACTS AWARDED

Wis., Mauston — Farm Drainage Bd. Juneau Co. 26,500 ft. open ditch, 80,070 cu.yd., 8 ft. deep, 11,390 ft. 12 in. tile drain, to J. Corbett, Babcock. Engrs. est. $25,000.

Calif., Knights Landing (Grafton P. O.)—Sacramento River West Side Levee Dist., Mills Bldg., San Francisco, enlarging 6 mi. levee, 175,000 cu.yd. earthwork, to D. McDonald, Box 170, Sacramento, $35,875.

Streets and Roads

PROPOSED WORK

N. Y., Richmond Hill—Park Bd. at office Dept. Parks, Municipal Bldg., New York, rejected bids opened Nov. 29, improving main drive in Forest Park, Boro of Brooklyn, here. Will readvertise. Noted Dec. 7.

N. C., Davidson—Plans hard surfacing various streets. $30,000. W. H. Thompson, clk. Mees & Mees, Kinney Bldg., Charlotte, engrs.

N. C., Henderson—Plans paving various streets. $100,000.

N. C., Reidsville—City sold $300,000 bonds for street and sidewalk paving.

Fla., Eustis—Plans curbing and paving Woodward Ave., 2 in. sheet asphalt on 6 in. compressed Ocala limestone. $27,000. J. R. Ashmore, clk.

La., Monroe—Plans to expend $500,000 for paving work. J. S. Reynolds, city engr.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were to be opened Dec. 19, grading, bridging and paving 1,549 mi. Sect. "B" Perrysburg-Fostoria Rd., Wood Co., bituminous macadam $38,781; also bids which were to be opened Dec. 22 for concrete beam bridge on Sect. "B" Mansfield-Millersburg Rd., Holmes Co., $6,320. Noted Dec. 7.

O., Cincinnati — Plans repaving Gilbert Ave. viaduct, 2,400 lin.ft. steel curb, 1,000 sq.ft. sidewalk, 6,500 sq.yd. vitr. brick, 600 sq.yd. granite block (relaid), etc. $39,000. F. S. Krug, City Hall, engr.

O., Cleveland—Cuyahoga Co. plans grading and paving Royalton Rd. from State to Brecksville Rds., concrete, $226,192; 2 sections of S. O. M. Center Rd. in Solon, concrete, $186,693. F. Lander, Court House, engr.

O., Columbus — Having plans prepared grading, curbing, laying water services and paving 1,096 ft. 5th Ave. from Perry St. to alley west of Parker St., 60 ft., brick $120,440, asphalt $108,193; widening, grading and paving 4,860 ft. Oak St. from 18th St. to Miller Ave., 33 ft., asphalt or brick, $51,000. R. H. Simpson, City Hall, engr.

Ill., Belleville—Plans new 5,000 ft. street alongside Southern Ry. tracks between West Main and A Sts. Plan election to vote on $100,000-125,000 bonds. H. Heinzelman, city engr.

Ill., Columbia—City and Monroe Co. soon take bids paving and curbing 6,000 ft. Main St., 36 ft., 4,618 cu.yd. earth excav., 24,000 sq.yd. 7 in. concrete. $50,000. W. A. Fuller, 1917 Ry. Exch., St. Louis, Mo., engr.

Ill., Lewistown—Soon receives bids paving 3,600 ft. North and South Main St., 12-18 ft. (state and city will share cost); 2,600 ft. North and South Bway., 30 ft.; 1,376 ft. East Euclid Ave., 24 ft.; 1,635 ft. West Euclid Ave., 24 ft.; 356 ft. Milton Ave., 24 ft.; bituminous filled brick on 4 in. concrete. $100,000. A. W. Fuller, 1917 Ry. Exch. Bldg., St. Louis, Mo., engr.

Wis., Antigo—Langlade Co. appropriated $86,384 for county and state aid road and bridge construction. C. Olsen, comr.

Wis., Black River Falls—Jackson Co. appropriated $105,757 for state and county aid road and bridge construction during 1923. W. Tibbits, comr.

Wis., Darlington—Lafayette Co. appropriated $108,237 for county and state aid road and bridge construction in 1923. G. H. Priestley, comr.

Wis., Durand—Pepin Co. appropriated $40,569 for state and county aid road and bridge construction during 1923. G. A. Goss, comr.

Wis., Elkhorn—Walworth Co. appropriated $438,333 for county and state aid road and bridge construction during 1923. H. J. Peters, comr.

Wis., Friendship—Adams Co. appropriated $26,432 for county and state aid road and bridge construction in 1923. J. A. McGregor, comr.

Wis., Hayward—Sawyer Co. appropriated $38,635 for county and state aid road and bridge construction during 1923. E. J. Collett, comr.

Wis., Jefferson—Jefferson Co. appropriated $181,824 for county and state aid road and bridge construction in 1923. R. D. Royce, comr.

Wis., Juneau—Plans paving Oak, Oak Grove, South Main, North Main, Hustisford, Miller, Center, Fair and Mill Sts., 20-30 ft., concrete or asphalt. $30,000. Engineer not selected.

Wis., Lancaster—Grant Co. appropriated $212,174 for state and county aid road and bridge construction during 1923. H. Mink, comr.

Wis., Medford—Taylor Co. appropriated $94,052 for state and county aid road and bridge construction in 1923. C. Kelnhofer, comr.

Wis., Milwaukee—Milwaukee Co. appropriated $509,848 for state and county road and bridge construction in 1923. W. F. Cavanaugh, comr.

Wis., Oconto—Oconto Co. appropriated $61,000 for state and county aid road and bridge construction during 1923. E. W. McAllister, comr.

Wis., Richland Center—Richland Co. appropriated $139,511 for county and state aid road and bridge construction during 1923. W. V. Robinson, comr.

Ia., Colflax—Making plans plain concrete paving. $100,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Ia., Wapello—Takes bids in January for 30 blocks plain concrete paving. $200,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted Nov. 16.

Kan., Wichita — M. Roseberry, engr. Sedgwick Co. soon takes bids paving and bridging 12½ mi. North Laurence Ave. from city limits to county line, 18 ft., brick or concrete.

S. D., Sioux Falls—Having plans prepared paving 23,415 sq.yd. various streets. $60,000. W. C. Leyse, city aud.

N. D., Bismarck—Burleigh Co. rejected bids opened Oct. 4, grading and gravel surfacing Federal Aid Project 174., west of McKenzie. Noted Oct. 19.

Missouri—State Hy. Dept., Jefferson City, plans grading and 16 ft. gravel pavement on 13.5 mi. road from Frederick to Dexter and Kenneth, 24 ft., Federal Aid Project 211, Stoddard Co., 10.46 mi. road from Stanberry to Albany, 24 ft., Federal Aid Project 57 B, Gentry Co., 8.78 mi. road on Old Wire Rd. through Lebanon, Special Rd. Dist., 24 ft., Federal Aid Project 89 A, Laclede Co., 8.1 mi. road from Clinton to Sedalia, 24 ft., Federal Aid Project 133 A, Henry Co.; grading and 12 ft. gravel pavement etc. on 18 mi. road from Jefferson City to Fulton through New Bloomfield Special Rd. Dist., 24 ft., Federal Aid Project 97, Callaway Co., 6 mi. road from New Florence to McKittrick through McKittrick Special Rd. Dist., 24 ft., Federal Aid Project 141, Montgomery Co., 17.4 mi. road from Oklahoma to St. Louis, through Granby Special Rd. Dist., 24 ft., Federal Aid Project 155, Newton Co., 25 mi. road from Iron Mountain

Streets and Roads (Continued)

to Salem Point on Poplar Bluff St. Louis Highway, 1 mi. north at Belleview, 24 ft., Federal Aid Project 193, Iron Co., 25.2 mi. road from Fredericktown to Marble Hill, 24 ft., Federal Aid Project 202, Bollinger Co., 16 mi. road from Fredericktown to Marble Hill Advance, 24 ft., Federal Aid Project 208, Bollinger Co., 16.76 mi. road from Willow Springs to Mountain View, 24 ft., Federal Aid Project 138, Howell Co., 23.03 mi. road from Ironton to Fredericktown and Patton, 24 ft., Federal Aid Project 203, Madison Co., 19 mi. road from Poplar Bluff to Jefferson City, 24 ft., Federal Aid Project 207, Butler Co., 3 mi. road from Doniphan to Grandin, 24 ft., Federal Aid Project 201, Ripley Co.; grading and 18 ft. gravel pavement on 8.17 mi. road from Stanbury to Albany, 24 ft., Federal Aid Project 37 B, Gentry Co.; grading and 9 ft. gravel pavement, etc. on 7.72 mi. road from Clinton to Springfield through Osceola Special Rd. Dist., 24 ft., Federal Aid Project 100 B, St. Clair Co., 28.5 mi. road from Ironton to Piedmont, 24 ft., Federal Aid Project 105 D, Iron Co.; grading, etc. 2.1 mi. road on Washington Park Blvd. from Kansas City north to Van Horn Rd., 32 ft., Federal Aid Project 61, Jackson Co., 7.96 mi. road from Greenfield to Stockton, 24 ft., Federal Aid Project 213, Dade Co. 5.93 mi. road from Nevada to Springfield, 24 ft., Federal Aid Project 192, Cedar Co., 8.24 mi. road from Potosi to Steelville, 20 ft., Federal Aid Project 160 A, Washington Co., 11.9 mi. road from Doniphan to Grandin and Jefferson City through Jordan Special Rd. Dist., 24 ft., Federal Aid Project 200, Ripley Co., 4.4 mi. road from Poplar Bluff to Doniphan through Logans Creek special Rd. Dist., 24 ft., Federal Aid Project 206, Ripley Co., 4.09 mi. road from Forsyth to Branson through Branson-Kirbyville Special Rd. Dist., 24 ft., Federal Aid Project 191, Taney Co., 4.02 mi. road from Forsyth to Branson, Mt. James Special Rd. Dist., 24 ft., Federal Aid Project 189, Taney Co., 49 mi. road from Crane, Galena and Reed Springs to Blue Eye, 20 ft., Federal Aid Project 161, Stone Co., 15.7 mi. road from Rolla to Houston, 24 ft., Federal Aid Project 110, Phelps Co., 8.5 mi. road from Huntsville to Keytesville, 24 ft., Federal Aid Project 44 B, Randolph Co., 5.1 mi. road from Poplar Bluff to Doniphan and Alton through Fairdealing Special Rd. Dist., 24 ft., Federal Aid Project 216, Ripley Co.; grading, 9 ft. concrete and 7 ft. gravel surface on 7 mi. road from Kennett to Hayti and Caruthersville, 30 ft., Federal Aid Project 212, Dunklin Co.; grading, 12 ft. gravel and 16 ft. concrete surface on 9.9 mi. road from Cairo to Poplar Bluff, 24 ft., Federal Aid Project 204, Butler Co.; grading, 12 ft. gravel and macadam surfacing 15.7 mi. Natl. Old Trails Rd. from St. Louis to Kansas City through Calwood, Williamsburg Special Rd. Dist., 24 ft., Federal Aid Project 144, Callaway Co.; grading, 16 ft. chat or gravel pavement, etc. on 2.25 mi. road from Eldorado Springs to Osceola, Eldorado Springs Special Rd. Dist., 24 ft., Federal Aid Project 215, Cedar Co.; grading and 18 ft. concrete pavement on 9.02 mi. road from Pikes Peak Ocean to Ocean Highway, 30 ft., Federal Aid Project 205, Buchanan Co.; grading and 16 ft. waterbound macadam surface on 10.8 mi. road from Sedalia to Marshall through Longwood Special Rd Dist., 24 ft., Federal Aid Project 131, Pettis Co.; grading and 16 ft. asphaltic macadam surface on 8 mi. Natl. Old Trails Rd. from Malta Bend to Marshall, through Marshall Special Rd Dist., 24 ft., Federal Aid Project 16, Saline Co.; grading and 16 ft. chat surfacing 6.6 mi. road from Clinton to Warrensburg, 24 ft., Federal Aid Project 127, Henry Co.; grading and 18 ft. brick pavement on 8.22 mi. Jefferson Highway from north line of Parksville Special Rd. Dist. to east line of Platte Co., 24 ft., Federal Aid Project 48, Platte Co.; grading and 16 ft. Hereulaneum slag surface, etc. on 2.55 mi. Kings Highway, 24 ft., Federal Aid Project 185, Jefferson Co.; grading and constructing approach fills to bridge over Youngs Creek on 0.189 mi. road from Mexico to Moberly, 24 ft, Federal Aid Project 194, Audrain Co. B. H. Piepmeier, state highway engr.

Mo., St. Louis—Plans improving Blase St. from Bway. 500 ft. eastward, 1,530 sq.yd. 7 in. concrete. 6,900; 750 ft. Beacon Ave. from Lilian to Prange Sts., 24 ft., 2,645 sq.yd. Warrenite or asphalt, 1,500 ft. concrete gutter, $11,700; 900 ft. Geraldine Ave. from Lilian to Thekla Sts., 30 ft., 3,435 sq.yd. warrenite, 1,800 ft. concrete curbing, $17,400; 500 ft. Osceola St. from Ohio St. to Bway., 30 ft., 1,735 sq.yd. concrete, integral curbing, $7,500. W. W. Horner, City Hall, engr.

Tex., Brady—McCulloch Co. election Dec. 28, to vote on $450,000 bond issue for construction Puget Sound-Gulf Highway from Mason Co. line to Concho Co. line. Address E J. Adkins, co. judge.

Tex., Crockett — Houston Co. making plans grading and gravel surfacing 6.9 mi. State Highway 21, 16 ft., 51 acres clearing, 1,036 cu.yd. concrete, 46,432 cu.yd. roadway, 45,600 cu.yd. borrow, 2,067 cu.yd. dry and 184 cu.yd. wet structural excav., 16,214 cu.yd. gravel. $124,083. G. W. Courter, co. engr.

Tex., Greenville—Dec. 30, to vote on $150,000 bonds for street paving, water and sewer extensions. A. D. Duck, city engr.

Tex., Henderson—Rusk Co. making plans clay and gravel surfacing 14.92 mi. State Highway 26, from 8 mi. south of here to Nacogdohes Co., 16 ft., 26,261 cu.yd. gravel and 9,516 cu.yd. clay. $49,343. Hess & Skinner, Southwestern Life Bldg., Henderson, engrs.

Tex., Houston—Submitted $250,000 bond issue to Attorney Generals Dept., Austin, for approval, paving street, etc. J. C. McVey, city engr.

Tex., Kaufman—Terrell Rd Dist., Kaufman Co., voted $55,000 bond issue for additional highway improvements. L. M. Ferlet, co. engr.

Tex., Marshall—Takes bids latter part December paving 2,100 ft. West Houston Ave., 45 ft. and 50 ft., concrete, brick or bitulithic. $50,000. S. H. Cook, mayor.

Tex., Nacogdoches—Dec. 23, to vote on $225,000 bond issue paving city streets. V. E. Middlebrook, mayor.

Tex., Uvalde—Uvalde Co. making plans graveling 80 mi. various county roads also 30 mi. bituminous state aid roads. $500,000. M. B. Hodges, co. engr.

Tex., Wharton—Attorney General's Dept., Austin, approved $80,000 special road bond issue, Wharton Co. Nagle-Witt-Rollins Eng. Co., co. engrs.

Utah, Eureka—Plan concrete paving 3 mi. main streets, 18 ft. $100,000. F. N. Huddleson, Kearns Bldg., Salt Lake City, engr.

Calif., Bakersfield—Had plans prepared improving portions East 19th, Miller, Fremont and Eureka Sts., 39,266 sq.yd. cement concrete walks, 7,316 lin.ft. cement concrete curbs; portion Jefferson St. and Beale Ave., 34,160 sq.ft. 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete, 3,204 sq.ft. cement concrete gutters, 1,157 lin.ft. cement concrete curb, 4,608 sq.ft. cement concrete walks, etc. W. D. Clarke, city engr.

Calif., Merced—Merced Co. rejected bids improving Rd. Dist. 3. Will readvertise. Noted Nov. 9.

Calif., San Diego—Plans improving Chatsworth Blvd., Lytton and Curtis Sts., 91,418 sq.ft. 1½ warrenite bitulithic on 2½ in. asphaltic concrete, 9,240 sq.ft. 2 in. warrenite bitulithic, 535 lin.ft. concrete curb, etc.; Ibis Court, Hawk, Douglas and Ibis Sts., 63,077 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous, 1,167 sq.ft. concrete sidewalk, 254 lin.ft. concrete curb, etc. F. A. Rhodes, city engr.

Calif., San Francisco — City and San Francisco Co. had plans prepared improving Broad St. between Capitol Ave. and Orizaba St., 3,849 cu.yd. excav., 60 cu.yd. fill, 1,987 lin.ft. concrete curb, 330 sq.ft. artificial stone walks, 50,547 sq.ft. asphaltic concrete pavement, etc., $21,400; 48th Ave. between Kirkham and Lawton Sts., 1,294 lin.ft. concrete curb, 660 sq.ft. artificial stone walks, 2,400 sq.ft. concrete gutter, 26,493 sq.ft. asphaltic concrete pavement, etc., $10,500. M. M. O'Shaughnessy, city engr.

Quebec—Dept. Rds., Quebec, takes bids in January, graveling 54.01 mi. Montreal-Mt. Laurier Highway, 2.5 mi. in St. Agathe, 4.43 mi. in Ivry, 8 mi. in Salaberry, 7.5 mi in Wolfe, 9.4 mi. in Clyde, 1.9 mi. in. Labelle, 0.3 mi. in L'Annunciation, 6.56 mi. in Joly, 12.57 mi. in Marchand, 0.85 mi. in Nemeninque, 9.1 mi. Richmond-Yamaska Highway, 8.85 mi. in Wickham, 0.25 mi. in Grantham, 27.5 mi. Woburn-Victoriaville Highway, 1 mi. in Notre Dame de Lourdes, 5 mi. in North Ham, 4 mi. in Stratford, 2.5 mi. in South Winslow, 9 mi. in Spalding, 6 mi. in Woburn, 21.25 mi. of Levis-St. Lambert Highway, 5.05 mi. in St. Michael, 2.52 mi. in St. Francois, 1.24 mi. in St. Crancois, 3.26 mi. in St. Thomas, 7.34 mi. in St. Antoine, 2.14 mi. in St. Gerard, macadamizing 4.54 mi. Gifford-St. Simeon Highway, 3.6 mi. in St. Joachim, 0.94 mi. in St. Simeon. J. L. Boulanger, deputy minister.

Ontario — Provincial Government and Perth Co. Council, plans 20 mi. main highway from Mitchell to Palmerston via Listowel (portions to be paved with concrete). $250,000. G. Hogarth, Parliament Bldg., Toronto, ch. engr. F. W. Hay, Listowel, representative of Perth Co.

BIDS DESIRED

N. Y., Brooklyn—Dec. 21, by E. Riegelmann, boro pres., Boro Hall, grading, curbing and flagging East 15th St. from Ave. M to Ave. N and Skillman Ave. from Kingsland Ave. to Old Woodpoint Rd., paving roadway of East 15th St. from Ave. M to Ave. N and roadway of Skillman Ave. from Kingsland Ave. to Old Woodpoint Rd., permanent asphalt on 6 in. concrete.

N. Y., St. George—Dec. 19, by J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving Bay St. from Hannah St. to south side of Water St., granite block on present concrete.

N. J., Penns Grove—Dec. 26, by Mayor and Common Council, constructing certain streets, bituminous macadam. Kearney & Sparks, Salem, engrs.; adv. this issue.

Pennsylvania — Dec. 27, by State Hy. Dept., Harrisburg, reconstructing 17,197 ft. Route 243, Industry and Borough Twps., Beaver Co., 21,986 ft. Route 243, Industry Twp., Beaver Co., 13,704 ft. Route 82, Hempfield and Sugar Grove Twps., Greenville Boro., Mercer Co., all foregoing either bituminous surface course on concrete, or one course rein.-con.; 5,700 ft. Application 2255, Hempfield Twp., Mercer Co., one course rein.-con. G. H. Biles, asst. state comr.

N. C., Maiden—Dec. 19, by A. C. Black, mayor, 1,800 cu.yd. excav., 5,500 sq.yd. cement paving, 6,500 lin.ft. concrete curbs, etc. Mees & Mees, Kinney Bldg., Charlotte, engrs. Noted June 29.

Louisiana—Dec. 28, by State Highway Comn., Reymond Bldg., Baton Rouge, grading and gravel surfacing 9.91 mi. Sect. A and 8.17 mi. Sect. B, Federal Aid Project 117, Tallulah-Delhi Highway, Madison Parish. J. M. Fourmy, state engr.

Kentucky—Dec. 20, by State Hy. Dept., Frankfort, shaping and constructing drainage structures on 8.8385 mi. Louisville-Paducah Rd., Federal Aid Project 91, State Project 8, Sect. A, Crittenden Co., 3 acres clearing, 59,741 cu.yd. earth, 16,609 cu.yd. solid rock, 5,835 cu.yd. borrow, 608 cu.yd. excav. for structures, 31,053 yd. sta. overhaul, 1,784 lin.ft. standard vitr., rein.-con., or standard c.i. pipe, 1,103 cu.yd. concrete and 61,688 lb. reinforcing for concrete construction, alternate bid on 1,161 cu.yd. cement rubble masonry, 250 cu.yd. concrete and 39,270 lb. reinforcing, for cement rubble masonry construction; 17.045 mi. Louisville-Paducah Rd., from Livingston-Crittenden Co. line, Sta. 11018 plus 05 to Cumberland River, Sta. 11918 plus 00, Federal Aid Project 2, State Project 8, Sect. B, Livingston Co., 2 acres clearing, 70,109 cu.yd. earth, 20,424 cu.yd. solid rock, 79,886 cu.yd. borrow and 1,108 cu.yd. excav. for structures, 315 cu.yd. excav. for channel change, 37,115 yd. sta. overhaul, 2,396 lin.ft. standard vitr., rein.-con., or standard c.i. pipe, 1,173 cu.yd. concrete and 60,989 lb. reinforcing for concrete construction, alternate bid on 1,056 cu.yd. cement rubble masonry, 342 cu.yd. concrete and 39,166 lb. reinforcing for cement rubble masonry; 9.639 mi. Frenchburg-West Liberty Rd., from end of macadam 1½ mi. east of Frenchburg to Morgan Co. line, Federal Aid Project 83, State Project 32, Sect. A, Manifee Co., 13 acres clearing, 115,433 cu.yd. earth, 9,316 cu.yd. solid rock and 1,360 cu.yd. borrow excav., 295 cu.yd. excav. for channel change, 24,938 yd. sta. overhaul, 121 cu.yd. concrete, 2,728 lin.ft. standard vitr., rein.-con. or standard c.i. pipe, 1,033 cu.yd. concrete and 52,840 lb. reinforcing for concrete construction, alternate bid on 452 cu.yd. concrete, 1,015 cu.yd. cement rubble masonry and 36,880 lb. reinforcing, for cement rubble masonry construction; 5.018 mi. Stanton-Winchester Rd. from Stanton, Sta. 0 plus 00 to ½ mi. west of Clay City, Sta. 265 plus 00, Federal Aid Project 87, State Project 4, Sect. B, Powell Co., 16 acres clearing, 12,616 cu.yd. earth, 36,685 cu.yd. solid rock, 35,464 cu.yd. borrow, 5,000 cu.yd. excav., for channel change, 5,475 yd. sta. overhaul, 92 cu.yd. concrete, 1,216 lin.ft. standard vitr., rein.-con., or standard c.i. pipe, 653 cu.yd. concrete and 36,448 cu.yd. reinforcing for concrete construction, alternate bid on 674 cu.yd. cement rubble masonry, 52 cu.yd. concrete, 26,530 lb. reinforcing for cement rubble masonry construction; shaping and surfacing with creek gravel, waterbound macadam, or waterbound macadam surface treated, 9.55 mi. Vanceburg-Maysville Rd., from Tollesboro, Sta. 0 plus 00 to Valley Sta. 505 plus 22, State Project 20, Sect. A, Lewis Co., 2 acres clearing, 10,917 cu.yd. earth, 794 cu.yd. solid rock, 14,338 cu.yd. borrow, 623 cu.yd. dry earth and 208 cu.yd. wet earth excav., 1,733 cu.yd. excav. for structures, 290 yd. sta. overhaul, 401 cu.yd. concrete, 43,707 lb. reinforcing, 9,170 lb. structural steel, 14,007 cu.yd. creek gravel, 21,010 ton crushed limestone, 11,205 gal. prime coat, 18,676 gal. C.O. or M.T. special, 700 ton stone chips of pea gravel, 880 lin.ft. Class A or Class B corrugated metal pipe; shaping and surfacing, with rein.-con., rock asphalt on modified Telford or concrete base, or bituminous concrete on modified Telford or concrete base, 6.333 mi.

SEWER—TULSA, OKLA.

Following are lowest three bids opened Nov. 4, by Mayor and Bd. Comrs., for constructing Elm Park Relief Sewer; (A) Tibbets & Pleasant, Inc., Tulsa (awarded contract); (B) Comstock-Smedley Co., Tulsa; (C) H. L. Cannady Co., Tulsa. The unit bids were as follows:

	A	B	C
360 lin.ft. of open cut section, type "D", exclusive of excavation	$40.00	$50.00	$51.00
80 lin.ft. of open cut section, type "C", exclusive of excavation	53.00	62.00	63.00
210 lin.ft. of open cut section, type "F", exclusive of excavation	55.00	64.00	65.10
4,400 lin.ft. of tunnel section, type "A", inluding excavation	98.80	116.00	111.60
250 lin.ft. of tunnel section, type "B", including excavation	128.00	120.00	146.00
300 lin.ft. of tunnel section, type "E", including excavation	178.00	130.00	249.00
3,850 cu.yd. earth excavation in open cut	1.34	1.50	1.45
4,980 cu.yd. rock excavation in open cut	3.67	5.00	4.80
Shaft No. 1 at station 1400 complete (lump sum)	7,000.00	7,100.00	7,100.00
Shaft No. 2 at station 3600 complete (lump sum)	6,380.00	6,300.00	6,300.00
Sewer inlet north of Eleventh Street, exclusive of excavation (lump sum)	790.00	750.00	750.00
Sewer outlet south of Eighteenth Street, exclusive of excavation (lump sum)	850.00	800.00	800.00
Sewer connection at Eleventh Street complete (lump sum)	350.00	340.00	344.00
Sewer connection at Thirteenth Street complete (lump sum)	1,500.00	1,400.00	1,495.00
Sewer connection at Seventeenth St. complete (lump sum)	1,800.00	1,650.00	1,790.00
Sewer connection at Eighteenth Street, exclusive of excavation (lump sum)	2,400.00	2,370.00	2,400.00
600 lin.ft. 10-in. well hole including casing	3.33	4.00	4.00
600 cu.yd. earth excavation in drainage ditch	.47	1.00	1.00
1,200 cu.yd. rock excavation in drainage ditch	2.67	3.00	3.00
1,000 lin.ft. of extra drilling	.50	.50	.50
Extended totals	$600,799.60	$674,265.00	$696,876.50
Engineering fee	20,000.00	20,000.00	20,000.00
Advertising and Publishing	500.00	500.00	500.00
Easements and damages	10,000.00	10,000.00	10,000.00
Borings, consulting engineer	6,000.00	6,000.00	6,000.00
Extended grand totals	$637,300	$710,785	$733,377

Streets and Roads (Continued)

Jackson Highway Rd. from Bloomfield Rd. Sta. 1128 plus 00 to Cox Creek Sta. 1462 plus 39, Federal Aid Project 86, Sect. B, State Project 3, Sect. B, Nelson Co., 38,733 cu.yd. earth, 3,669 cu.yd. solid rock, 945 cu.yd. borrow, 1,009 cu.yd. cement rubble masonry, 75,371 lb. reinforcing, 480 sq.yd. bituminous surfacing, 516 cu.yd. concrete, 66,105 yd. sta. overhaul, 750 sq.yd. relaying Telford, 3,991 cu.yd. Telford excav., 66,878 sq.yd. rein.-con. paving, 1,124 lin.ft. standard vitr., rein.-con., or standard c.i. pipe, alternate bids on surfacing as follows: 63,163 sq.yd. rock asphalt, 63,163 sq.yd. bituminous concrete, 66,878 sq.yd. concrete base, or 66,878 sq.yd. rock asphalt, 66,878 sq.yd. bituminous concrete surface, 66,878 sq.yd. modified Telford base, 11,286 ton crushed limestone, 6,688 ton bonding stone; 8.501 mi. Jackson Highway from Jefferson Co. line, Sta. 675 plus 60, to Bloomfield Rd., Sta. 1128 plus 00, Federal Aid Project 86, Sect. A, State Project 3, Sect. A, Bullitt, Spencer and Nelson Counties, 2 acres clearing, 58,460 cu.yd. earth, 30,780 cu.yd. solid rock, 42,393 cu.yd. borrow, 244 cu.yd. wet earth and 733 cu.yd. dry earth excav., 1,249 cu.yd. excav. for channel change, 308,479 yd. sta. overhaul, 1,218 cu.yd. cement rubble masonry, 604 cu.yd. concrete, 97,469 lb. reinforcing, 1,000 sq.yd. relaying Telford, 8,281 cu.yd. removing Telford, 89,767 sq.yd. rein. con. paving, 1,358 lin.ft. standard vitr., rein.-con., or standard c.i. pipe, alternate bids on surfacing as follows: 84,780 sq.yd. rock asphalt, 84,780 sq.yd. bituminous concrete, 89,767 sq.yd. concrete base, or 89,767 sq.yd. rock asphalt, 89,767 sq.yd. bituminous concrete, 89,767 sq.yd. modified Telford base, 8,977 ton bonding stone, 15,148 ton crushed limestone. J. S. Boggs, state highway engr.

Ohio—Dec. 19, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 5.62 mi. Sect. "J" Cleveland-Sandusky Rd. Lorain Co., brick $234,849, bituminous concrete $215,094, bitulithic $223,142. L. C. Herrick, dir. highways.

Ohio—Dec. 22, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 1.42 mi. Sect. "K" Columbus-Millersburg Rd., Licking-Knox Co., rein.-con., $49,042, 0.83 mi. Sect. "Medina West" Ashland-Medina Rd., Medina Co., rein.-con. $34,540, brick $42,085; concrete beam bridge Sect. "B" Zanesville-McConnelsville Rd., Muskingum Co., $6,761. L. C. Herrick, dir. highways.

Ohio—Dec. 22, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving Sects. "N, O and P" of Oberlin-Norwalk Rd., Lorain Co., brick $270,297, bituminous concrete $241,270, bitulithic $254,945. L. C. Herrick dir. highways.

O., Cincinnati—Dec. 18, by A. Hornberger, dir. Pub. Serv., laying sidewalks etc. on 2,700 lin.ft. McMillan St. extension west, 40 ft., 5,100 lin ft. granite curb, 21,000 sq.ft. sidewalk, 98,000 cu.yd. earth and rock excav., 12,300 sq.yd. granite block, 2,600 cu.yd. concrete base, 800 cu.yd. retaining wall. $239,700. F. S. Krug, City Hall, engr.

Illinois—Dec. 21, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 5.66 mi. Route 1. Sect. 8, Edwards-Wabash Co., 4.6 mi. Route 1, Sect. 9, Wabash Co., 6.75 mi. Route 1, Sect. 10, Wabash Co., 21.49 mi. Routes 1 and 15, Combination A, Edwards-Wabash Co., 3.25 mi Route 1, Sect. 17, Lawrence Co., 5.55 mi. Route 1, Sect. 18, Lawrence-Crawford Co., 8.8 mi. Route 1, Combination B, Lawrence-Crawford Co., 6.2 mi. Route 3, Sect. 15, Whiteside Co., 5.07 mi. Route 3, Sect. 38, McDonough Co., 7.38 mi. Route 8, Sect. 7, Henderson Co., 7.12 mi. Route 8, Sect. 33, Woodford Co., 8.47 mi. Route 8, Combination C, Woodford Co., (inci. 1 section grading), 7.06 mi. Route 13, Sect. 6, Williamson Co., 5.56 mi. Route 14, Sect. 4, Franklin Co., 4.48 mi. Route 15, Sect. 21, Edwards Co., 6.18 mi. Route 16, Sect. 12, Shelby Co., 5.82 mi. Route 26, Sect. 1, Ogle-Stephenson Co., 5.82 mi. Route 26, Combination D, Ogle-Stephenson Co., (incl. 1 bridge), 5.17 mi. Route 28, Sect. 9, Henry Co., 4.15 mi. Route 44, Sect. 17-A, Will Co., 0.89 mi. Federal Aid Project 9, Sect. C-1, Madison Co., 0.84 mi. Federal Aid Project 9, Sect. 38, Madison Co., 1.73 mi. Federal Aid Project 9, Combination E, Madison Co., 3.22 mi. Federal Aid Project 9, Sect. W-1, Fayette Co., 0.68 mi. Federal Aid Project 26, Sect. 20, Logan Co., 6.76 mi. Federal Aid Project 26, Sect. 23, Logan Co., 6.5 mi. Federal Aid Project 26, Sect. 24, Logan Co., 13.26 mi. Federal Aid Project 26, Combination F, Logan Co., 5.28 mi. Federal Aid Project 27, Sect. 36, Tazewell Co., 5.7 mi. Federal Aid Project 40, Sect. 28, Hancock Co., 6.04 mi. Federal Aid Project 45, Sect. 23, Morgan Co., 9.62 mi. Federal Aid Project 46, Sect. 4, Cass Co., 6.06 mi. Federal Aid Project 47, Sect. 64, St. Clair Co., 2.99 mi. Federal Aid Project 47, Sect. 65, Monroe Co., 9.05 mi. Federal Aid Project 47, Combination G, St. Clair-Monroe Co., 1.76 mi. Federal Aid Project 48, Sect. 37, Tazewell Co., 3.08 mi. Federal Aid Project 48, Sect. 11, Peoria Co., 1.87 mi. Federal Aid Project 48, Sect. 17, Peoria Co., 6.82 mi. Federal Aid Project 48, Combination I, Peoria Co., 2.97 mi. Federal Aid Project 48, Sect. 16, Peoria Co., 3.85 mi. Federal Aid Project 48, Sect. 17, Peoria Co., 6.82 mi. Federal Aid Project 48, Combination J, Peoria Co., 18.81 mi. Federal Aid Projects 27 and 48, Combination K, Tazewell and Peoria Co., 3.24 mi. Federal Aid Project 49, Sect. 13, Livingston Co., 5.57 mi. Federal Aid Project 49, Sect. 14, Livingston Co., 7.8 mi. Federal Aid Project 49, Sect. 15, Livingston Co., 16.61 mi. Federal Aid Project 49, Combination L, Livingston Co., 0.59 mi. Federal Aid Project 50, Sect. 19, Coles Co., 7.42 mi. Federal Aid Project 50, Sect. 20, Coles-Douglas Co., 14.01 mi. Federal Aid Project 50, Combination M, Coles-Douglas Co., 4.68 mi. Federal Aid Project 51, Sect. 5, Woodford Co., 1.18 mi. Federal Aid Project 47, Sect. 66, Monroe Co. (to be let in combination with some city paving of Columbia, Ill.) All foregoing average 18 ft. wide. Alternate bids on the following types: Portland cement concrete, 4 in. monolithic and 4 in. bituminous filled brick, bituminous concrete with or without binder course. Grading 35,820 cu.yd. Route 1, Sect. 12-A, Wabash Co., 57,830 cu.yd. Route 1, Sect. 13-A, Wabash-Lawrence Co., 93,650 cu.yd. Route 1, Combination N, Wabash-Lawrence Co., 57,830 cu.yd. Route 1, Combination O, Wabash-Lawrence Co. (incl. 1 bridge), 93,650 cu.yd. Route 1, Combination P, Wabash-Lawrence Co. (incl. 1 bridge), 22,645 cu.yd. Route 1, Sect. 15-A, Lawrenee Co., 115,160 cu.yd. Route 1, Sect. 16-A, Lawrence Co., 137,805 cu.yd. Route 1, Combination Q, Lawrence Co., 22,645 cu.yd. Route 1, Combination R, Lawrence Co. (incl. 1 bridge), 115,160 cu.yd. Route 1, Combination S, Lawrence Co. (incl. 1 bridge), 115,160 cu.yd. Route 1, Combination T, Lawrence Co. (incl. 1 bridge), 137,805 cu.yd. Route 1, Combination U, Lawrence Co. (incl. 2 bridges), 137,805 cu.yd. Route 1, Combination V, Lawrence Co. (incl. 1 concrete and 1 steel bridge), 231,455 cu.yd. Route 1, Combination W, Lawrence Co., 231,455 cu.yd. Route 1, Combination X, Lawrence Co. (incl. 3 concrete bridges), 231,455 cu.yd. Route 1, Combination Y, Lawrence Co. (incl. 2 concrete and 1 steel bridge), 32,000 cu.yd. Route 8, Sect. 34-A, Woodford Co. C. Older, ch. highway engr.

Minn., Chaska—Dec. 27, by Carver Co., grading, etc., 17 mi. road from Hennepin Co. line west, 24 ft., Carver Co. $63,028. L. A. Zeman, Chaska, engr.

Minn., Faribault — Jan. 24, by F. M. Kaisersatt, aud. Rice Co., grading, etc., 23 mi. road, 24 ft., between Lakeville and here. $150,000. J. C. McElherne, Faribault, engr.

Minn., Olivia—Dec. 28, by A. O. Schmidt, aud. Renville Co., Job 2201, State Rd. 6, 81,482 cu.yd. excav., 116,250 cu.yd. overhaul, clear 6.5 acres, grubbing 4.9 acres, Bridge 3927, 18 ft. span, 18 ft. roadway, rein.-con. abutments, 123 cu.yd. concrete, 5,923 lb. reinforcing, 4,390 lb. structural steel; Bridge 3928, 18 ft. clear beam span, 18 ft. roadway, rein.-con. abutments, 99 cu. yd. concrete, 5,116 lb. reinforcing, 4,370 lb. structural steel. $28,000. D. H. Gilchrist, Olivia, engr.

Tex., Clarksville—Dec. 21, by R. J. Williams, judge Red River Co., grading, gravel surfacing, etc., 9.63 mi. State Highway 5, Federal Aid Project 311, 12 ft., 41,207 cu. yd. roadway 23,347 cu.yd. borrow, 335 cu. yd. concrete, 33,130 lb. reinforcing, 15,112 cu.yd. shipped in gravel. $84,382. J. B. Rieman, co. engr.

Tex., San Angelo — Dec. 20, by J. T. Mathison, judge Tom Green Co., grading and bridging 16.44 mi State Highway 9-A, 24 ft., 1,049 cu.yd. concrete, 124,000 cu.yd. earth and 1,014 cu.yd. loose rock excav., 57,306 lb. reinforcing, $53,138; 25.18 mi. State Highway 7 and 7-A, Federal Aid Project 229, 24 ft., 1,370 cu.yd. concrete, 168,000 cu.yd. earth, 4,400 cu.yd. loose and 400 cu.yd. solid rock excav., 73,000 lb. reinforcing steel, $70,000. G. Gilchrest, San Angelo, engr. in charge.

Calif., Santa Rosa—Dec. 26, by Supervs. Sonoma Co., improving 38½ mi. highway from Jenner to Medocino Co. line, 240,000 cu.yd. unclassified excav., 50 cu.yd. concrete, 5,000 lin.ft. 12 in., 3,500 lin.ft. 15 in., 1,200 lin. ft. 18 in. and 900 lin. ft. 24 in. corrugated iron pipe, etc. $140,000. E. A. Peugh, co. surv.

Quebec—J. L. Boulanger, deputy minister of highways, Quebec, taking bids 17,831 ft. Laprairie-Rouses Point Highway, Sect. C-3, St. John Parish, St. John Co., incl. 6,924 cu.yd. excav., 50,092 sq.yd. gutter, 31,700 sq.yd. waterbound macadam treated with bituminous oil, 299.69 cu.yd. concrete; 30,365 ft. Laprairie-Rouses Point Highway, Sect. E, St. Blaise Parish, St. John Co., 11,715 cu.yd. excav., 33,413 sq.yd. gravel or waterbound macadam treated with bituminous oil, 677.23 cu.yd. concrete in bridges; graveling or macadamizing 23,945 ft. Lapraisie-Rouses Point Highway, Sect. G, in Notre Dame du Mont Carmel Parish, St. John Co., 42,569 sq.yd. gravel or macadam, 7,946 cu.yd. excav.; macadamazing and graveling 39,586 ft. Laprairie-Rouses Point Highway, Sect. F., St. Paul de L'Ils aux Noix Parish, St. John Co., 18,271 cu. yd. excav., 57,600 sq.yd. gravel, waterbound or bituminous macadam.

BIDS RECEIVED

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, opened bids Dec. 8, paving from end of Richmond Turnpike at linoleum factory gate to Carteret Ferry, concrete, from J. J. Kelly, 1150 Forest Ave. West New New Brighton, $25,716; J. Johnson Sons, 455 Bway., West New Brighton, $27,540; W. P. McDonald Constr. Co., 17 West 42nd St., New York, $27,540; J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $30,383. Noted Nov. 30.

S. C., Newberry — Newberry Co. constructing 12.6 mi. Newberry-Broad River Rd., from Deaver & Robinson, Carlisle, $50,000. Noted Nov. 16.

Alabama—State Hy. Dept., Montgomery, grading and surfacing, (1) 11.408 mi. Birmingham-Montgomery Highway, Sect. A, Federal Aid Project 99, Shelby Co. (2) 11.175 mi. Birmingham-Montgomery Highway, Sect. B, Federal Aid Project 99, Shelby Co. (a) plain concrete (b) warrenite bitulithic on puzzolan cement concrete (c) bituminous concrete on puzzolan (d) sheet asphalt on puzzolan (e) vitr. brick on puzzolan (f) warrenite bitulithic on 8 in. macadam (g) bituminous concrete on 8 in. macadam, from Hancock Bros., Mobile, (1a) $365,901 (2a) $416,783; Lawr-

Streets and Roads (Continued)

ence, Nixon & Phillips, Jackson, Miss., (1a) $370,841 (1c) $371,499 (1d) $404,626 (1g) $358,283 (2a) $417,982 (2c) $417,144 (2d) $449,890 (2g) $404,383; Mills Eng. & Constr. Co., McComb, Miss., (1a) $375,092 (1c) $375,320 (1e) $474,703; W. T. Taylor Contg. Co., Wilsonville, (1b) $383,677 (1c) $363,686 (1d) $405,952 (1f) $362,760 (1g) $342,803 (2a) $435,922 (2b) $433,167 (2c) $414,536 (2d) $455,186 (2f) $412,857 (2g) $393,130; J. F. Morgan Paving Co., Woodward Bldg., Birmingham, (1b) $404,152 (1d) $426,998 (1e) $495,538 (1f) $394,064 (2b) $460,049 (2c) $437,466 (2d) $482,632 (2e) $460,049 (2f) $450,358; Southern Roads Co., American Trust Bldg., Birmingham, (1b) $426,477 (1f) $423,686 (2b) $482,976; Smith Bros., Birmingham, (street address not available) (1g) $368,892; Dunn Constr. Co., Chamber of Commerce Bldg., Birmingham (2f) $475,828; Nichols Contg. Co., Trust Co. of Georgia Bldg., Atlanta, Ga., (2g) $688,613. Noted Nov. 16.

Missouri—State Hy. Dept., Jefferson City, opened bids Dec. 2, (1) 4.972 mi. road from Clarksdale northwardly, 24 ft., State Project Route 31, Sect. 1, De Kalb Co. (2) 3.35 mi. road from St. Louis to Kansas City, 18 ft., State Project Route 2, Sect. 57, Montgomery Co. (3) 3.095 mi. road from North Co. line to Ellsinore, 24 ft., State Project Route 16, Sect. 73, Carter Co. (4) 5 mi. road from Gainesville northwestwardly, 26 ft., State Project Route 5, Sect. 95, Ozark Co. (5) 4.98 mi. road from St. Louis to Springfield, 30 ft., State Project Route 14, Sect. 66, Franklin Co. (6) 1.608 mi. road from Plattsburg to Kansas City, 30 ft., State Project Route 33, Sect. 9, Clinton Co. (7) 4.016 mi. road from Plattsburg to Kansas City, 30 ft., State Project Route 33, Sect. 10, Clinton Co. (8) 3.944 mi. road on Red Ball Highway, 24 ft., State Project Route 9, Sect. 7, Clark Co. (9) 4.845 mi. road from Monett to Eureka Springs Highway, 16 ft., State Project Route 37, Sect. 2, Barry Co. (10) 4.985 mi. road from Ozark Co. line to West Plains, 24 ft., State Project Route 80, Sect. 8, Howell Co. (11) 2.585 mi. road on Kings Highway, 26 ft., State Project Route 25, Sect. 19, Cape Girardeau Co. (12) 2.986 mi. road from Kansas City to St. Louis, 18 ft., State Project Route 2 Sect. 71, St. Charles Co. (13) 4.767 mi. road from Lebanon to Linn Creek, 12 ft., State Project Route 5, Sect 73, Laclede Co. (14) 4.482 mi. road from Jackson to Appleton, 16 ft., State Project Route 25, Sect. 5, St. Genevieve Co. (15) 4.012 mi. road from St. Louis to St. Genevieve, 16 ft., State Project Route 25, Sect. 3, Jefferson Co. (16) 0.559 mi. road from Lebanon to Pulaski Co. line, 34 ft., State Project Route 14, Sect. 38, Laclede Co. (17) 0.303 mi. road from St. Louis to Springfield, 34 ft., State Project Route 14, Pulaski Co. (18) 0.871 mi. road from Unionville to Milan, 16 ft., State Project Route 5, Sect. 2, Putnam Co. (19) 4.94 mi. road from Ozark Co. line to West Plains, 24 ft., State Project Route 80, Sect. 7, Howell Co. (20) 1.658 mi. road from Sullivan to St. Clair, 30 ft., State Project Route 14, Sect. 67, Franklin Co. (21) 4.991 mi. road from Excelsior Springs to Carroll Co., 26 ft., State Project Route 10, Sect. 14, Ray Co. (22) 0.085 mi. road from Kansas City to St. Louis, 34 ft., State Project Route 2, Sect. 34, Howard Co. (23) 0.284 mi. road from Salem to Licking, 24 ft., State Project Route 32, Sect. 4, Dent Co. (24) 5 mi. road from Milan to Green City, 24 ft., State Project Route 6, Sect. 34, Sullivan Co. (25) 2.575 mi. road from Greene Co. line to Seymour, 24 ft., State Project Route 16, Sect. 35, Webster Co. (26) 4.914 mi. road from Monett to Eureka Springs, 16 ft., State Project Route 37, Sect. 7 Barry Co. (27) 2.348 mi. road from Milan to Green City, 24 ft., State Project Route 6, Sect. 35, Sullivan Co. (28) 4.394 mi. road from Milan to Green City, 24 ft., State Project Route 6, Sect. 33, Sullivan Co. (29) 2.224 mi. road from Springfield to St. Louis, 24 ft., State Project Route 14, Sect. 77, St. Louis Co. (30) 1.279 mi. road from Hartville to Mansfield, 12 ft., State Project Route 5, Sect. 86, Wright Co. (31) 4.934 mi. road from St. Louis to Springfield, 24 ft., State Project Route 14, Sect. 76, St. Louis Co. (32) 5 mi. road from Kansas City to St. Louis, 24 ft., State Project Route 2, Sect. 7, Lafayette Co. (33) 4.899 mi. road from Warrensburg to Clinton, 30 ft., State Project Route 13, Sect. 27, Johnson Co. (34) 1.294 mi. road from Sedalia to Clinton, 24 ft., State Project 24, Sect. 4, Henry Co., (35) 4.061 mi. road from Vienna northwardly, 24 ft., State Project Route 7, Sect. 55, Maries Co. (36) 1.891 mi. road from Macon southward, 24 ft., State Project Route 7, Sect. 21, Macon Co. (37) 4.215 mi. road from Kansas City to Jefferson City, 26 ft., State Project Route 12, Sect. 5, Johnson Co. (38) 2.265 mi. road from Kansas City to St. Louis, 24 ft., State Project Route 2, Sect. 68, St. Charles Co. (39) 2.304 mi. road between Wentzville and St. Peters, 18 ft., State Project Route 2, Sect. 69, St. Charles Co. (40) 3.548 mi. road east and west through Beaufort, 16 ft., State Project Route 12, Sect. 52, Franklin Co. (41) 4.732 mi. road from Excelsior Springs to Carroll Co., 26 ft., State Project Route 10, Sect. 13, Ray Co. (42) 4.896 mi. road from Bolivar to Buffalo, 24 ft., State Project Route 15, Sect. 80, Dallas Co. (a) 18,876 cu.yd. earth excav. (b) 441 cu.yd. rock excav. (c) 5,879 cu.yd. borrow excav., etc., from W. A. Gierke, St. Joseph (street address not available) (1) $15,211; A. L. Cook, Ottawa, Kan., (1) $16,470; (22) $6,460 (37) $24,579; Moreno Burkham Constr. Co., 1213 Syndicate Trust Bldg., St. Louis (2) $119,374 (12) $130,466 (29) $108,771 (31) $243,694 (38) $80,012 (39) $92,250; Coopers Constr. Service Co., Federal Reserve Bank Bldg., St. Louis, (3) $11,890 (10) $21,905 (19) $18,283 (35) $26,832 (36) $24,924; W. A. Leach, Poplar Bluff (3) $14,480; T. S. Wheeler and W. Griffin, Elijah (4) $18,292; E. A. Luck, Black Rock, Ark. (4) $19,319; Sumerfield Jones, Springfield (street address not available) (4) $20,542; Felix Kersting Co., Jefferson City (5) $28,364 (20) $10,244 (22) $6,460; Frazier Davis Constr. Co., Arcade Bldg., St. Louis (5) $28,597 (20) $9,204; J. O. Patterson & Co., 310 Ridge Bldg., Kansas City (6) $12,612 (7) $24,762; F. E. Botts, Independence (6) $13,221; Cook-O'Brien Constr. Co., 305 Ry. Exch., Kansas City (6) $13,223 (7) $24,277 (21) $7,538 (24) $28,581 (27) $16,566 (28) $24,426 (32) $79,348 (41) $32,804; Land Constr. Co., Ballinger Bldg., St. Joseph, (7) $23,954; Cameron Joyce & Co., Keokuk, Ia. (8) $20,758 (32) $80,014; General Constr. Co., Syndicate Trust Bldg., St. Louis (8) $22,203 (16) $21,127; Riley & Bailey Constr. Co., International Life Bldg., St. Louis (8) $23,371 (16) $19,568 (17) $10,168; Allhands & Davis, 705 Frisco Bldg., Joplin (9) $20,881 (13) $18,655 (14) $28,855 (15) $35,756 (25) $17,616 (26) $39,261; M. E. Gillioz, Monett (9) $22,799 (13) $22,010 (14) $34,745 (26) $42,811; Short & Bramer, Monett (9) $24,644; Lane & Nicholas, West Plains (10) $20,597; Jones & Harlin, West Plains (10) $22,964; Corrall Bedwell & Hartie, Cape Girardeau (11) $17,378; S. M. Timberlake Co., 236 Amer. Central Life Bldg., Indianapolis, Ind. (12) $123,700 (29) $93,402 (31) $220,068 (38) $77,800 (39) $87,246; Alzina Constr. Co., Unity Bldg., Springfield, Ill. (12) $144,772 (38) $86,195 (39) $96,129; Pioneer Constr. Co., Springfield (street address not available) (13) $18,239 (17) $11,454; Reynolds-Bloker-Orens, Caruthersville (14) $32,967; W. J. Knapp and J. Richardson, De Soto (15) $28,834; J. P. Sparks, Kirkwood (15) $32,778; Wausau Iron Wks., Wausau, Wis. (16) $21,054; Parham Constr. Co., East St. Louis, Ill. (street address not available) (17) $12,441; J. Simmons, La Plata (18) $18,448 (24) $29,982 (27) $17,684 (28) $25,459; Lingo & Lowing, West Plains (19) $17,716; H. A. Worman, Pittsfield, Ill. (street address not available) (19) $17,197; A. Hood, Independence (21) $10,690 (41) $45,005; Haller & Davis, Boonville (22) $4,080; Illinois Steel Bridge Co., 608 Laclede Gas Bldg., St. Louis (23) $2,404; C. T. Fogle Constr. Co., Jefferson City (23) $2,544; St. Louis Constr. Co., 743 Frisco Bldg., St. Louis (23) $2,575; Abell & Co., Linneus (24) $28,221 (27) $16,152; W. F. Plummer, 434 East Elm St., Springfield (25) $19,687 (30) $8,072; Easley Bros., Aurora (25) $20,963 (26) $40,957; C. P. O'Reilley & Co., Wainright Bldg., St. Louis (28) $27,038; Louis Rich Constr. Co., East St. Louis (29) $99,067 (31) $234,518; A. M. Curtis, Hartsville and M. J. Craig, Mansfield (30) $7,609; H. E. Plyley, Walnut Ridge, Ark. (30) $7,933; Spitcaufsky Bros., 2452 Benton Blvd., Kansas City (32) $79,719; Maxwell Constr. Co., Columbus, Kan. (33) $49,314; C. F. Johnson, Warrensburg (33) $51,876; J. A. Woods Constr. Co., Smithville (33) $53,247; A. M. Highnote, Columbus, Kan. (34) $37,662; Carterville Constr. Co., Carterville (34) $39,167; Harrison Constr. Co., Des Moines, Ia., (street address not available) (34) $40,651; Birmingham & Terry, Vienna (35) $18,412; Mosswan Scott Constr. Co., Kansas City (street address not available) (35) $25,656; J. W. Wilson, Warrensburg (37) $22,432; J. E. Ridge, Warrensburg (37) $23,376; H. Kassman, Union (40) $26,678; Natl. Constr. Co., Inc., Kansas City (street address not available) (41) $42,333; C. F. Johnson & Son, Buffalo (42a) $0.40 per cu.yd. (42b) $1.95 (42c) $0.35; M. A. Holman Constr. Co., Carterville (42a) $0.40 (42b) $1.75 (42c) $0.38; J. E. Hartley, Mt. Vernon (42a) $0.40 (42b) $2 (42c) $0.40. Noted Nov. 23.

Missouri—State Hy. Dept., Jefferson City, opened bids Dec. 2, (1) 3.049 mi. road from Malden to Risco, 16 ft., State Project Route 82, Sect. 3, Madrid Co. (2) 4.904 mi. road from Clinton Co. line to Hamilton, 18 ft., State Project Route 8, Sect. 13, Caldwell Co. (3) 5 mi. road from Tipton Ford to Neosho, 18 ft., State Project Route 1, Sect. 104, Newton Co. (4) 2.663 mi. road from East Prairie to New Madrid Co. line, 16 ft., State Project Route 55A, Sect. 2, Mississippi Co. (5) 4.096 mi. road south of Warrensburg, 26 ft., State Project Route 13, Sect. 28, Johnson Co. (6) 4.636 mi. road from St. Genevieve Co. line south toward Perryville, 16 ft., State Project Route 25, Sect. 12, Perry Co. (7) 4.871 mi. road from Neosho southwardly, 24 ft., State Project Route 1, Sect. 106, Newton Co. (8) 4.375 mi. road from Gainesville northwestwardly, 26 ft., State Project Route 5, Sect. 96, Ozark Co. (9) 2.322 mi. road from California eastwardly, 24 ft., State Project Route 12, Sect. 29, Moniteau Co. (10) 5 mi. road from McGirk east and west, 16 ft., State Project Route 12, Sect. 30, Moniteau Co. (11) 3.078 mi. road from Eldon northwardly, 24 ft., State Project Route 15, Sect. 57, Miller Co. (12) 4.991 mi. road from Eldon eastwardly, 24 ft., State Project Route 15, Sect. 56 Miller Co. (13) 0.123 mi. road north and south of Princeton, 24 ft., State Project Route 13, Sect. 6, Mercer Co. (14) 1.403 mi. road from Perryville northwardly, 12 ft., State Project Route 51, Sect. 3, Perry Co. (15) 1.942 mi. road from Linneus northwardly, 18 ft., State Project Route 5, Sect. 15, Linn Co. (16) 2.061 mi. road from Charleston westwardly, State Project Route 16, Sect. 94, Mississippi Co. (17) 3.232 mi. road from Tipton Ford to Neosho, 18 ft., State Project Route 1, Sect. 105, Newton Co., from:

Novaculite Constr. Co., Marion, Ill. (1) $35,298 (4) $59,425 (16) $50,696.

A. Creek, Gideon (1) $36,684.

Harrison Eng. & Constr. Corp., Wichita, Kan. (street address not available) (2) $171,227 (17) $123,397.

Cameron, Joyce & Co., Keokuk, Ia. (2) $191,594.

Zogler & Dalton Constr. Co., Junction City, Kan. (2) $202,298.

Independent Constr. Co., Pittsburg, Kan. (3) $170,000.

Western Constr. Co., 818 Mayo Bldg., Tulsa, Okla. (3) $173,791.

Koss Constr. Co., 2818 5th Ave., Des Moines, Ia. (3) $186,112 (17) $121,536.

R. L. Williams, Wyatt (4) $60,141.

Keeley Bros., Contg. Co., 2100 State St., East St. Louis, Ill. (4) $65,605.

A. L. Cook, Ottawa, Kan. (5) $15,676.

Maxwell Constr. Co., Columbus, Kan. (5) $16,029.

C. L. Johnson, Warrensburg (5) $17,041.

Kiefner Geile Endres, Perryville, (6) $49,806 (14) $13,232.

Allhands & Davis, 705-6 Frisco Bldg., Joplin, (6) $57,596 (7) $58,224.

J. P. Wolfenbarger, Neosho, (7) $52,525.

Wimstead & Gonter, Siloam Springs, Ark., (7) $55,019.

Wheeler & Griffin, Elijah, (8) $13,001.

E. O. Luck, Clack Bluff, Ark., (8) $13,847.

Summerfield Jones Co., Springfield (street address not available) (8) $14,646.

J. W. Newton, Eldon, (9) $6,969 (10) $30,224 (11) $10,797.

F. Kersting, Jefferson City, (9) $6,269 (10) $33,980 (12) $18,449.

Massman-Scott Constr. Co., 3663 Madison Ave., Kansas City, (9) $7,418.

Scott Constr. Co., 3663 Madison Ave., Kansas City, (10) $37,123.

Fogelman & Thompson, Eugene, (11) $10,399 (12) $17,190.

Woodsmall & Woodsmall, Marshall, (11) $10,405.

Doehla Koekmeyer, Jefferson City, (12) $17,936.

Pittsburgh Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia. (13) $2,211.

Energy Coal & Supply Co., Poplar Bluff, (14) $9,414 (16) $47,120.

J. F. Meek, Chillicothe, (15) $36,699.

E. C. Johnson, Carrollton, (15) $43,218.

Abell & Co., Linneus, (15) $46,138.

R. L. Williams, Wyatt, (16) $51,158.

Independent Constr. Co., Pittsburg, Kan. (17) $112,572. Noted Nov. 23.

Mo., Maplewood—G. Komar, city clk., City Hall and St. Louis Co. (Clayton), opened bids Dec. 6, reconstructing 3,100 ft. Greenwood Blvd. from Big Bend Rd. to Canterbury Ave., 6,192 lin.ft. concrete curb, 5,000 cu.yd. earth excav., 11,000 sq.yd. 8 in. concrete, from C. M. Berry, Empire Bldg., Webster Groves, $33,997; Carlon Constr. Co., 7319 Marietta Ave., $36,216; Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, $36,500. Engrs. est. $40,000. Noted Nov. 30.

Colorado—State Hy. Dept., Denver, (1) gravel surfacing 3.489 mi. Sante Fe Trail, 18 ft., Federal Aid Project 218 B, Bent

Streets and Roads (Continued)

Co., engrs. est. $50,929 (2) grading 1.787 mi. Pikes Peak Ocean to Ocean Highway, Old Colorado Midland R.R., 18 ft., Park Co., State Project 694, engrs. est. $58,114, (3) timber bridges in Cheyenne Co., engrs. est. $21,385, from M. J. Kenney, 213 Interstate Bldg., Denver, (1) $36,373 (2) $41,940 (3) $17,339; F. H. Bullen, Pueblo, (1) $41,567; M. O. Morrison, 409 Cooper Bldg., Denver, (1) $41,789; Levy Constr. Co., 1930 Colorado Ave., Colorado Springs, (2) $39,495; H. C. Lallier Constr. Co., Hudson, (3) $42,648; A. R. Mackey, Sterling, (3) $16,992; C. O'Neil, Platteville, (3) $17,310. Noted Nov. 30.

Calif., San Diego—Common Council, improving Adams and Works Aves., Utah and 30th Sts., (a) 239,438 sq.ft. 1½ in. asphaltic concrete on 4 in. cement concrete (b) 113,090 sq.ft. 1½ in. asphaltic concrete on 2½ in. asphaltic concrete (c) 4.904 lin. ft. cement concrete curb (d) 23,428 sq.ft. cement concrete sidewalks, from G. R. Daley, 4430 Boundary St., (a) $0.315 (b) $0.229 (c) $0.75 (d) $0.265; Fairchild-Gilmore-Wilton Co., 25 14th St., (a) $0.25 (b) $0.20 (c) $0.65 (d) $0.25; California Constr. Co., 528 Granger Bldg., (a) $0.31 (b) $0.225 (c) $0.72 (d) $0.27. Noted Nov. 23.

CONTRACTS AWARDED

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving East 31st St., granite block, to Casper-Helbock Co., 633 Wales Ave., $13,665; West 75th St., sheet asphalt, curbing, recurbing, flagging and paving 9th Ave., to Brusstar Constr. Co., Harlem River and 150th St., $2,799 and $3,854 respectively; restoring roadway foundation curb and sidewalk on West 141st St. and curbing, recurbing, flagging, reflagging and paving West 100th St., sheet asphalt, to Burnside Contg. Co., 270 Burnside Ave., $2,738 and $15,718; widening and repaving Canal St., granite block, to P. J. Kearns Contg. Co., 2306 Creston Ave., $12,320; curbing, recurbing, flagging, reflagging and paving Pleasant Ave., West 192nd and West 173rd Sts., sheet asphalt, toetaoicmfroat.o ,nnn2flBPg Madison Ave., $5,198, $4,049 and $12,769 respectively. Noted Nov. 30 and Dec. 7.

Pa., Ebensburg — Comrs. Cambria Twp., c/o H. T. Jones, controller Cambria Co., reconstructing 161,000 lin.ft. Wilmore Rd., vitr. brick on concrete, to McClure & Bingner, Johnstown, $175,062. Noted Nov. 23.

Pa., Uniontown — Fayette Co., 2.1 mi. Rush Run Rd., incl. 4,800 ft. 6 in. rein.-con. with integral curb, 6,228 ft. 4 in. macadam surface on 11 in. Tilford, to Cresson Constr. Co., Brownsville.

Kentucky—State Hy. Dept., Frankfort, resurfacing with macadam 8 mi. Cave City-Bowling Green Rd., Edmonson Co., 20,000 ton crushed limestone, to Gorrell & Sons, Russellville, $44,600.

Ia., Anamosa—Jones Co., grading 7.61 mi. road east of here, Federal Aid Project 163, Sect. A, to Foley Bros., Anamosa, 105,936 cu.yd. earth excav. $0.24 per cu.yd., 123 cu.yd. loose rock $1.50 and 123 cu.yd. solid rock $3; Cement Products Co., Waterloo, 39,666 ft. tile, 6 in. $0.139 per ft., 12 in. $0.35 and 15 in. $0.56. Noted Nov. 16.

Ia., Anita—For 41,526-sq.yd. brick paving and 22,075 lin.ft. curb and gutter, to Cook & Stucker, Ottawa, Kan., $161,441. Noted Nov. 2.

Mo., St. Louis—Federer-Arendes Realty Co., 2610 Gravois Ave., improving streets, laying sidewalks and sewers for Grand-Dover subdivision, 100,000 cu.yd. grading, 10 mi. streets 28-60 ft. wide, Kentucky rock asphalt on rock, 20 mi. granite curbs, 20 mi. 8-24 in. vitr. sewer pipe for storm and foul water sewers, 400,000 sq.ft. granitoid sidewalks, to McKelvey Constr. Co., 911 Title Guaranty Bldg. Engrs. est. $520,000.

Tex., La Grange—Fayette Co. grading and surfacing with gravel, 12.87 mi. Highway 3-B, Federal Aid Project 286, to W. T. Hutto, Gonzales, $69,825; concrete drainage structures, to L. Robertson, Schulenburg, $74,186. Engrs. est. $162,565. Noted Dec. 7.

Oklahoma—State Hy. Comn., Oklahoma City, constructing 3,172 mi. Federal Aid Project 77, Latimer Co., 18 ft., 8 in. shale with bituminous surface and concrete structures, to Green Constr. Co., 503 S W Natl. Bank Bldg., Oklahoma City, $27,615. Noted Nov. 9.

Colorado—State Hy. Dept., Denver, concrete paving 4.185 mi. Denver-Colorado Springs Rd., Federal Aid Project 116-A, El Paso Co., 18 ft., incl. bridge over Cottonwood Creek, to Standard Eng. & Constr. Co., 518-19 E & C Bldg., Denver, $195,605. Noted Nov. 23.

Industrial Works

PROPOSED WORK

Mass., Cambridge — Ford Motor Co., Highland Park, Detroit, Mich., having preliminary sketches made by A. Kahn, archt. and engr., 1000 Marquette Bldg., Detroit, Mich., 3 story assembly plant and power house, brick and steel, here. $300,000.

Mass., Great Barrington — Dairymen's League Cooperative Assn. plans 2 story dairy, brick and tile. $50,000. Architect not announced.

Conn., South Norwalk—Gabbe Mole Wks. Inc., 24 Raymond St., soon lets contract 3 story, 70 x 170 ft. factory addition, brick and steel, plain foundation, Water and Concord Sts. $75,000. A. S. Meloy, 2965 Main St., Stratford, archt.

Conn., South Norwalk—H. Jacobs & Sons, Day St., having revised plans prepared by A. S. Meloy, archt., 2967 Main St., Stratford, 2 story, 60 x 120 ft., addition to plant, Day St., brick and steel. $40,000. Noted Feb. 9.

N. Y., Blasdell—Seneca Iron & Steel Co., Erie Co. Bank Bldg., Buffalo, plans large addition to steel plant on 15 acre site, here. To exceed $50,000. Architect not announced.

N. Y., Buffalo—A. L. Dixon, 1034 Main St., plans 2 story, 98 x 200 ft. brick, steel and tile auto sales building and garage, Main St. To exceed $40,000. Architect not announced.

N. Y., Buffalo—Quality Damp Wash Co., Inc., Northland Ave. and Chelsea St., plans 1 story, 80 x 100 ft., modern hollow tile and brick laundry, Northland Ave. To exceed $40,000. Architect not announced.

N. Y., Leroy—Union Explosives Co. plans to rebuild power house recently destroyed by fire.

N. Y., Tonawanda—Amer. Kardex Co., Main St., having plans prepared by L. Eggert, archt., 35 Elmwood Ave., 2 story, 50 x 160 ft., brick addition to plant. $70,000.

N. J., Trenton — Trenton Potteries Co, having plans prepared by W. A. Klemann, archt., 1st Natl. Bank Bldg., 4 story, 72 x 115 ft., brick and steel factory addition, Lalor St. $100,000.

Pennsylvania — Penn Pub. Service Co., Johnstown, plans to expend $1,600,000 for improving plants and lines in Armagh, Confluence, Boswell and Lumber City.

Pa., Allentown—Independent Oil Co., Inc., 12th and Liberty Sts., plans to rebuild plant recently destroyed by fire. Cost between $60,000 and $75,000. Architect not announced.

Pa., Armagh—See "Pennsylvania."

Pa., Boswell—See "Pennsylvania."

Pa., Confluence—See "Pennsylvania."

Pa., Galeton—Galeton Electric Co., plans to expend $60,000 for improving works and lines.

Pa., Juniata—Pennsylvania R.R., Broad St. Sta., Phila., having plans prepared by W. H. Cookman, archt., and A. C. Shand, ch. engr., c/o owners, 1 story, 80 x 402 ft. blacksmith shop No. 2; two 1 story, 42 x 142 ft. welfare buildings, with 35,000 gal. steel tank; 1 story, 80 x 515 ft. blacksmith shop, No. 1; 1 story, 65 x 620 ft. laboratory shop, with 15 ton crane and 620 ft. runway; 1 story, 23 x 163 ft. fuel shed; 1 story, 90 x 574 ft. fuel shop; 2 story, 70 x 578 ft. tank shop, with 15 ton crane, 650 ft. runway; 1 story, 80 x 722 ft. boiler shop, all steel and brick, here.

Pa., Lumber City—See "Pennsylvania."

Pa., Mt. Jewett—Safety Sled Co., plans to rebuild factory recently destroyed by fire. $50,000. Architect not announced.

Pa., Phila.—S. F. Whitman & Sons, 4th and Race Sts., plans 5 story and basement, brick, steel and stone factory, plain foundation, 4th and Race Sts. $250,000. W. Steele & Sons, 16th and Arch Sts., archts.

Pa., Phila.—Crescent Textile & Supply Co., Trenton and Susquehanna Aves., soon takes bids 4 story and basement, rein.-con. and brick factory, plain foundation, Trenton Ave. $100,000. W. H. Wooters, 816 West Allegheny Ave., archt.

Pa., Phila.—S. B. and B. W. Fletcher, 25th and Reed Sts., soon takes bids 1 story and basement, 60 x 160 ft. brick and steel garage, plain foundation, 26th and Wharton Sts. $70,000. Stuckert & Co., Crozier Bldg., archts.

Pa., Pittsburgh—Superior Auto Accessories Co., 1342 Forbes St., having plans prepared by Hunting & Davis Co., archts., Century Bldg., 1 story and basement, 100 x 145 ft. and 78 x 120 ft. show room and warehouse, brick and steel, Baum Blvd. and Woodworth Ave. $50,000.

Pa., Wilkes-Barre — A. Hildebrand, 91 Wood St., plans to rebuild mill recently destroyed by fire. $45,000. Architect not announced.

D. C., Wash.—Corby Baking Co., Georgia and Trumbull Aves., had revised plans prepared for gas plant. $75,000. Private plans.

N. C., Gastonia — Ragan Spinning Co. plans 10,000 spindle mill. G. W. Ragan, pres.

N. C., Gold Hill—Rodrain Electro-Metallurgical Co. plans gold mining plant. $500,000. Architect not announced.

N. C., New Bern—Rowland Lumber Co. plans to rebuild large lumber mill, recently destroyed by fire. $200,000. A. R. Turnbull, pres.

N. C., Whitnel—Nelson Cotton Mill Co. plans 6,000 spindle cotton mill, here.

Tenn., Chattanooga—Continental Mchy. Co., G St. and Msmy. Ave., plans to rebuild plant recently destroyed by fire. $200,000. Architect not announced.

Ky., Louisville—Louisville Garage Co., plan brick and steel, garage and service station, 5th St. $100,000. Architect not announced.

O., Cleveland—See "Buildings."

O., Cleveland—Donley Bros. Co., East 74th St. and Aetna Rd., plans 1 story, brick, steel and concrete factory, East 138th St. and Miles Ave. $50,000. Architect not selected.

O., Norwood (Cincinnati P. O.)—Kemper Thomas Co., Park Ave., having plans prepared by E. Hannaford & Sons, archts. and engrs., 1024 Dixie Terminal Bldg. Cincinnati 2 story, 60 x 200 ft., rein.-con. and brick factory, rein.-con. foundation, Park Ave. $150,000.

Mich., Detroit—Detroit Pub. Lighting Comn., East Atwater St., having plans prepared by Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 1 story, 20 ft. high, 56 x 83 ft. rein.-con., steel and stone substation, Woodward Ave.

Mich., Detroit—Michigan Stamping Co., 11631 Mack Ave., had plans prepared by A. Kahn, archt., 1000 Marquette Bldg., 1 story, 15 ft. high; 140 x 347 ft. rein.-con., brick and steel addition to plant, Mack Ave. $175,000.

Mich., Ecorse—Michigan Steel Corp., 1708 First Natl. Bldg., Detroit, had plans prepared 1 story, rein.-con., brick and steel plant, plain foundation, along Rouge River. $1,000,000. Private plans.

Mich., Kalamazoo—City will have revised plans prepared and vote on $2,000,000 bonds in summer for large gas plant incl. 6 buildings. Burns & McDonnell, 400 Interstate Bldg., Kansas City, Mo., engrs.

Mich., St. Joseph — Cahill & Douglas, engrs., 217 West Water St., Milwaukee, Wis., take bids in March, 2 story concrete and brick power plant and store house on 100 x 132 ft. plot, incl. 3 boilers and electric generating unit, 125 ft. radial brick stack, for Whitcomb Hotel. $50,000. Noted Nov. 30.

Ill., Chicago—See "Buildings."

Ill., Dixon—O. Beyer, Hennepin and 1st Sts., had plans prepared by R. Griesser, archt., 64 West Randolph St., Chicago, 1 and 2 story, 79 x 140 ft. bakery, rein.-con., brick and steel, here. $90,000.

Ill., Oak Park—Madison Motor Co., 810 West Madison St., having plans prepared by Weller & Rippel, archts., 140 South Dearborn St., Chicago, 1 story, rein.-con., brick and steel service station, here. $60,000.

Wis., Cambridge—A. Kravick plans 1 and 2 story, 50 x 90 ft. garage and repair shop, brick and rein.-con., Main St. $45,000. Architect not selected.

Wis., Cedar Grove—Cedar Grove Shoe Mfg. Co. plans 2 story, 50 x 95 ft., brick and rein.-con. factory, plain foundation. M. J. De Master, pres. Architect not selected.

Wis., Crandon—F. H. Himes plans 50 x 65 ft. planing mill, rein.-con. and brick. Architect not selected.

Wis., Milwaukee—See "Buildings."

Wis., Stratford — G. Chrouser plans 2 story, 60 x 100 ft. garage and repair shop, brick and rein.-con., plain foundation. $40,000. Architect not selected.

Wis., Sturgeon Bay — Door Co. Fruit Growers' Union plans 2 story, cold storage plant and dehydrating plant, rein.-con. and brick. $50,000. E. L. Johnson, mgr. Architect not selected.

Wis., Waupun—Landall Bros. Co. plans 1 or 2 story, 60 x 132 ft. garage and repair shop, brick and rein.-con., plain foundation, Drummond St. $50,000. Architect not selected.

Ia., Cedar Rapids—Disbrow Sash and Door Co., 7th Ave. and South 1st St., having plans prepared 2 story and basement, warehouse, brick, tile and steel, Oakland Ave. $50,000. Private plans.

Mo., Kansas City—International Aircraft Co., 71st St. and Davenport Rd., having plans prepared by C. B. Sloan, archt. 321 East 11th St., 103 x 200 ft. factory, 18 ft. high, rein.-con. and steel, also aircraft hanger. $75,000.

Mo., St. Louis—United Shoe Mchy. Corp., Albany Bldg., Boston, Mass., plans 125 x 190 ft. rein.-con. and brick factory addition, plain foundation, probably 3 story, Forest Park Blvd., here.

Industrial Works (Continued)

Tex., Pioneer—Amer. Oil Co. making plans oil refinery, 2,500 bbl. initial capacity. T. Ryan, pres. Architect not announced.

Calif., Berkeley—J. Havens, c/o J. W. Blachek, archt., 2014 Shattuck Ave., having plans prepared 1 story, rein.-con. garage, Shattuck Ave. To exceed $50,000.

Calif., Emeryville—Paraffine Co. Inc., 34 1st St., San Francisco, purchased 40 acres here and plans to construct plant.

Calif., San Francisco—Roth, Winter & Walsh, 1271 Mission St., had plans prepared by Ward & Blohme, archts., 454 California St., 2 story, 92 x 120 ft., rein.-con. packing plant, Townsend St. near 5th St.

Calif., San Francisco—Stevenson Garage, Inc., c/o A. S. Bugbee, archt., 26 Montgomery St., having plans prepared 2 story and basement, 130 x 150 ft., rein.-con. garage, Stevenson St.

N. B., St. Johns—Stephen Brick Co. plans to rebuild plant recently destroyed by fire. $100,000.

Que., St. Hyacinthe — Penmans Ltd., Paris, having plans prepared by J. M. Moore, archt., 489 Richmond St., London, Ont., brick plant, Girouard St., here. $100,000.

Ont., Petrolea—B. P. Corey plans plant. $100,000. Prices wanted on materials. Private plans.

Ont., Stratford — Stratford Frames & Novelties, plans to vote on $50,000 by-law in January for factory.

B. C., Vancouver—Adkison & Dill, 325 Howe St., local capitalists, granted franchise to build central heating plant and distributing system, to burn lumber mill waste. Project subject to confirmation of ratepayers Dec. 13. Noted Sept 28.

BIDS DESIRED

R. I., East Providence—United Electric Rys. Co., Providence, taking bids 1 and 2 story, 170 x 535 ft. car house and repair shop, brick and steel, North Bway., here. $400,000. Private plans. Noted Nov. 16.

Pa., Abington—Tilden & Register, archts., 1525 Locust St., Phila., taking bids 2 story and basement, 29 x 66 ft., laundry and heating plant, brick steel and stone, plain foundation, for Abington Memorial Hospital, c/o J. B. Winder. $75,000.

Pa., Phila.—C. E. Wunder, archt., 1225 Locust St., taking bids 4 story and basement, 60 x 80 ft. brick and steel factory, plain foundation, Water and Mifflin Sts., for Schlorer Delicatessen Co., Water and Mifflin Sts. $60,000.

Pa., Phila.—Abbotts Dairy Co., c/o E. R. Limbach, archt., 31st and Chestnut St., taking bids 3 story and basement, 102 x 104 ft. brick and steel garage, plain foundation, 223-227 Lombard St. $150,000. W. Smedley, Stephens Girard Bldg., archt.

O., Delaware—Jan. 4, by W. H. Duffy, dir. Pub. Serv., Oak and 9th Sts., Columbus, 1 story and basement, 60 x 80 ft. power house, 25 ft. high, laundry with two 30 x 90 ft. wings, brick and concrete, 15,000 gal. coagulating and 26,000 gal. reserve reservoir, small pumping station and sulpher well, at Girls Industrial School, here. Noted Nov. 2.

Ill., Chicago—See "Buildings."

Ill., Chicago—Muehlhausen Spring Co., 5841 Loomis St., receiving bids 1 story, 100 x 142 ft. factory, rein.-con., brick and steel, 5811-19 South Western Ave. $40,000. Newhouse & Bernham, 4630 Prairie Ave., archts.

Ill., Shelbyville—Dec. 18, for municipal electric light plant and distribution system. $100,000 bonds voted. W. A. Fuller, 1971 Ry. Exch. Bldg., St. Louis, Mo., engrs. Noted Oct. 19.

Wis., Sheboygan — City taking bids 2 story, 76 x 108 ft., tool, carpenter and woodworking shop, brick, rein.-con. and steel, plain foundation, South Water St. $40,000. A. A. Nack, City Hall, archt.

Wis., Sheboygan Falls—Falls Motor Corp. taking bids 1 story, 50 x 60 ft., unit to factory, brick and timber, plain foundation. Private plans.

CONTRACTS AWARDED

Me., Windham — Mallison Falls Power Co., Westbrook, 1 story, 1,000 k.w. power plant, brick and concrete, plain foundation, here, to H. P. Cummings Constr. Co., Fidelity Bldg., Portland. Archts. est. $100,000.

Conn., Westport — Lees Mfg. Co., 320 Bway., New York City, 3 story, 50 x 150 ft. addition to factory, brick and heavy timber, to T. J. Pardy Constr. Co., 1387 Seaview Ave., Bridgeport. Archts. est. $75,000. Noted Nov. 30.

Mass., Holyoke—P. F. Donaghue, Walnut St., 2 story garage, brick and concrete, plain foundation, Walnut St., to M. J. Walsh & Sons, 1412 Dwight St. Archts. est. $75,000.

Mass., Marlboro—Marlboro Dairy Co., 2 story, 50 x 60 ft. dairy, brick and hollow tile, plain foundation, East Main St., to T. L. LePage, 71 Sarrin St. Archts. est. $50,000.

Mass., South Boston (Boston P. O.)—New York, New Haven & Hartford R.R., South Station, Boston, 1 story roundhouse, brick and steel, plain foundation, Dorchester Ave., here, to H. R. Kent Co., 10 High St., Boston. Archts. est. $75,000.

Mass., Stoneham—J. J. Grover Sons Co., Main St., will build 4 story and basement, 40 x 80 ft. factory addition, brick and wood, plain foundation, Main St., by day labor. $40,000. C. L. Betton, 31 Exchange St., Lynn, archt.

N. Y., Cohocton—Wetmiller Dairy & Farm Products Co., 2 story, 44 x 44 ft., concrete and hollow tile plant, to Elmira Building Co., Elmira. To exceed $40,000.

N. Y., Niagara Falls—A. S. Gilman Printing Co., 623 St. Clair Ave., 1 story, 100 x 200 ft., brick plant, to Wright & Kremers, Gluck Bldg.

N. Y., Rochester—Rochester Packing & Cold Storage Co., 78 Front St., remodeling and addition to plant, ordinary fireproof construction, to A. Friederich & Sons Co., 710 Lake Ave. Archts. est. $200,000.

Pa., Phila.—Penna. Brick & Tile Co., c/o L. F. Ducker, Land Title Bldg., 1 and 2 story, steel buildings, Westmoreland and Delaware Aves., to Cemprod Eng. & Constr. Co., 171 Madison Ave., New York City. Engrs. est. $100,000.

Pa., Pittsburgh—Chatham Land Co., c/o H. D. Shawkey Motor Co., 5526 Penn Ave., 1 story, 100 x 200 ft., service and repair shop, brick and steel, Penn and Pacific Aves., to Inland Constr. Co., 5612 Penn Ave. Archts. est. $60,000.

Pa., Pittsburgh—Metal & Thermite Corp., 1201 Bway, New York City, 2 story, 40 x 100 ft. storage shop, brick, Fayette St., to W. B. Mason, 551 3rd Ave. Archts. est. $60,000. Noted Nov. 16.

Pa., Washington—Topliffe & Ely Co., 3 story, 20 x 80 ft. rein.-con. and brick factory, West End Ave., to F. M. Gardner, Washington. Archts. est. $100,000.

Ala., Montgomery—Atlantic Ice & Coal Co., Perry St., 101 x 220 ft., ice and cold storage plant, brick and rein.-con., to C. A. D. Bayley, 16 East 15th St., Atlanta, Ga., $300,000.

O., Cleveland—Fischer & Jirouch, 4821 Superior Ave., 3 story and basement, 60 x 73 ft., brick and steel factory addition, to J. G. Woide, 1659 East 86th St. Architect's est. $40,000.

O., Columbus—C. W. Bellows, archt., 69 Ruggery Bldg., 2 story, 125 x 125 ft., brick and concrete warehouse, North Front St., to E. H. Latham Co., 60 East Broad St., for Teachout Sash, Door & Glass Co., 100 West Spring St. $40,000. Noted Nov. 9.

O., Lakewood (Cleveland P. O.)—Cleveland Waterproof Paper Co., c/o A. Kennedy, mgr., 2033 West 106th St., Cleveland, 1 story, 40 x 160 ft., brick and tile factory, Berea and Fischer Rds., here, to General Building & Investment Co., Williamson Bldg., Cleveland. Archts. est. $40,000.

Ind., Ft. Wayne—Ft. Wayne Dairy Co., 449 Baker St., general contract 2 story and basement, dairy, to M. Irmscher, 118 West Berry St. Archts. est. $50,000.

Wis., Eau Claire — Lang Canning Co., Mill St., will build 2 and 3 story addition to cannery, brick and timber, plain foundation, by day labor. $120,000. Private plans.

Wis., Menasha—J. Strange Paper Pail Co. will build 4 story, 60 x 100 ft., brick and rein.-con. factory, plain foundation, by day labor. $50,000. J. Strange, pres.

Wis., Milwaukee—Random Lake Ice Co., 064 Locust St., will build 1 story, 100 x 125 ft., ice plant, brick and timber, plain foundation, Walnut St., by day labor. $50,000. G. B. Bright Co., Marquette Bldg., Detroit, Mich., mechanical engr.

Mo., St. Louis—Grace Sign Mfg. Co., 425 South Main St., 1 story, 162 x 260 ft. concrete factory, plain foundation, President and 2nd Sts., to Unit Constr. Co., Title Guaranty Bldg. Archts. est. $100,000. Noted Dec. 7.

Mo., St. Louis—G. O. Langenberg, archt., 4045 Forest Park Blvd., concrete work for 3 story, 150 x 200 ft., rein.-con. and brick factory, plain foundation, Bircher St. near Euclid Ave., to Gamble Constr. Co., 620 Chestnut St., for Haynes-Langenberg Mfg. Co., 4045 Forest Park Blvd. $60,000. Noted Nov. 30.

Tex., Dallas—Dallas Power & Light Co., Interurban Bldg., 15,000 kw. pl[illegible] Flynn St., also power lines, to Texas [illegible] Co., Interurban Bldg. Engrs. est. [illegible] Noted Nov. 2.

Buildings

PROPOSED WORK

Mass., Boston—Church—Allen & Collens, archts., 75 Newbury St., soon take bids 3 story, Boylston and Ipswich Sts., for Second Society of Universalists, c/o S. H. Robbin, pastor, 13 Regent Circle, Brookline. $250,000.

Mass., Boston—School—Public Building Dept. having plans prepared by C. G. Greco, archt., 8 Beacon St., 4 story, 20 room, concrete or brick, wood pile foundation, Maverick and Orleans Sts. [illegible] F. J. Uneeland, supt.

R. I., East Providence — High School — School Com. plans 3 story, brick and concrete addition, Bway. $150,000. W. R. Walker & Son, 47 Weybosset St., Providence, archts.

Conn., Bridgeport — Clubhouse — Loyalty Lodge of Odd Fellows c/o S. Sherman, 42[illegible] State St., plans 3 story, 90 x 110 ft., brick and steel, State and Lafayette Sts. $150,000. Architect not selected.

Conn., Bridgeport—Hospital—Columbus Hospital, 582 Washington Ave., plans 3 story, brick and concrete addition, also remodeling present structure. $150,000. J. L. Vannucci, 1024 Main St., archt.

Conn., Bridgeport — School — Bd. Educ. 886 Main St., having plans prepared by L. Asheim, archt., 211 State St., 3 story, 16 room, brick and steel, South Ave. and Warren Sts. $235,000.

Conn., Bristol — Bank — Bristol Savings Bank, 244 Main St., plans bank, Main St. Architect not selected.

Conn., Hartford—Parish House and commercial—South Baptist Church, Main St., plans 3 story, brick and steel parish house and commercial building, Main and Elm Sts. $150,000. W. D. Johnson, 174 Bond St., archt.

N. Y., Alexandria Bay—Hotel—R. Hood, archt., 7 East 42nd St., New York, preparing plans 300 room, brick and stone, here. $800,000. Owners name withheld.

N. Y., Buffalo—Clubhouse—Busy Corner Club, c/o Markeen Hotel, Main and Utica Sts., plans 3 story clubhouse. $300,000. F. W. Rosenberger, 162 Pearl St., member of building com. Architect not selected

N. Y., Buffalo—Store—Walbridge & Co., 392 Main St., plans 87 x 131 ft., brick, Main St. To exceed $300,000. Architect not announced.

N. Y., Buffalo—Store and Office—Walbridge & Co., 392 Main St., purchased 87 x 131 ft. site, Court St., and plans new store and office building. To exceed $250,000.

N. Y., Elmira—Store—S. F. Iszard Co., Baldwin and Water Sts., plans brick and steel, Main and Market Sts. $350,000. Pierce & Bickford, 118 Lake St., archts.

N. Y., Lima—Dormitory—Genesee Wesleyan Seminary plans new dormitory buildings. $300,000. Architect not announced.

N. Y., New York — Apartment — Fifth Ave. and Tenth St. Corp., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., soon takes bids 14 story, 95 x 150 ft., brick, steel and stone, plain foundation, 5th Ave. and 10th St. $1,500,000.

N. Y., New York—Theatre—W. H. Rahman & Son, archts. and engrs., 126 Cedar St., preparing plans 3 story, 150 x 150 ft., brick, steel and stone, plain foundation, East Fordham Rd. $500,000. Owners name withheld.

N. Y., Niagara Falls—Bank and Office—Niagara Falls Trust Co., 45 Falls St., had plans prepared 10 story and basement, 45 x 90 ft., rein.-con., brick, steel, artificial stone and marble, Falls and 1st Sts. $400,000. Architect's name withheld.

N. Y., Watertown—Office—Agricultural Insurance Co., having plans prepared by York & Sawyer, archts., 50 East 41st St., New York, brick, steel and stone, Lower Washington St. $300,000. Noted March 16.

N. J., Atlantic City—Hotel—L. R. Pollock, Pennsylvania Ave., having plans prepared by F. A. Berry, archt., Real Estate Trust Bldg., Phila., 4 story and basement, 90 x 155 ft., rein.-con. and brick addition, caisson foundation. $500,000.

Pa., Ardmore—Theatre and Store—C. F. Kline, 110 North 60th St., Phila., soon takes bids 2 story and basement, 85 x 200 ft. brick and steel, plain foundation. $250,000. J. C. Norton, Ardmore, archt.

Pa., Bethlehem — Bank — Lehigh Valley Trust Co., soon takes bids 1 story and

Buildings (Continued)

basement, 60 x 100 ft. brick, steel and stone, plain foundation. $200,000. Ritter & Shay, North American Bldg., Phila., archts.

Pa., Erie — Schools — Bd. Educ. having plans prepared by M. W. Meyers, archt., c/o owner, for Ferncliff and Meyers Schools, each 2 story, 16 room, concrete, brick, and steel. $200,000 each.

Pa., Johnstown—Temple—Masonic Temple Assn., Alma Hall, purchased 255 x 358 ft. tract on Valley Pike and Linton Ave., and plans 4 story and basement, rein.-con., steel and stone. $300,000.

Pa., Kittanning — Hospital — Armstrong Co. Community Hospital, having preliminary plans prepared by Crow, Lewis & Wick, archts., 200 5th Ave., New York City, hospital and power house, brick and steel. $250,000.

Pa., New Castle—School—Bd. Educ. having plans prepared by H. M. Wirsing, archt., New Castle, 2 story and basement, brick and steel, East Side near Rose and Ryan Sts. $160,000.

Pa., Norristown—High School—Bd. Educ. having plans prepared by O. H. Parry, archt., Builders Exch. Bldg., Phila. 3 story, junior high school. $250,000.

Pa., Phila. — Apartment — B. Levy, 604 South 2nd St., soon takes bids 4 story and basement, 92 x 137 ft. brick, steel and stone, plain foundation, 15th and Allegheny Aves. $200,000. A. Levy, Real Estate Trust Bldg., archt.

Pa., Phila.—Bank—Frankford Trust Co., c/o E. O'Neill, 4344 Frankford Ave., plans 2 story and basement, 60 x 86 ft. brick, steel and granite, plain foundation, Frankford and Unity Sts. $150,000. Stearns & Woodmont, Stephen Girard Bldg., archts.

Pa., Phila. — Clubhouse — See "Miscellaneous."

D. C., Wash.—Hotel—G. W. McCord, 101 D. St., N.E., having plans prepared by Milburn & Heister, archts., 710 14th St., for hotel. $150,000.

W. Va., Wheeling — Temple — Osiris Temple, A.A.O.N.M.S., plans 5 story and basement, 125 x 200 ft., 1301 Eoff St. $600,000. Architect not selected.

W. Va., Williamson — Hotel — C. F. Vaughan, had plans prepared by R. M. Bates, archt., Mortimor Pl., Huntington, 5 story, brick and steel. $250,000.

N. C., Asheville—Office—L. B. Jackson plans 10 story, Market St. $175,000. Architect not announced.

Tenn., Memphis — Office — Columbia Mutual Life Insurance, Odd Fellows Bldg., had plans prepared by Boyer & Baum, archts. and engrs., 428 Arcade Bldg., St. Louis, Mo., soon takes bids 22 story, 75 x 77 ft., steel, tile, terra cotta, concrete and steel, concrete pile foundation North Court and Main Sts. $1,000,000.

Ky., Louisville—Hotel—J. G. Brown, having plans prepared by P. J. Bradshaw, archt. International Life Bldg., St. Louis, Mo., 600 room hotel. $2,000,000.

Ky., Louisville—School—Bd. Educ., having plans prepared by E. A. Rassinier, archt., 2217 Blvd. Napoleon, 1 story and basement, 200 x 225 ft., rein.-con. and brick veneer, Virginia Ave.

O., Avondale (Cincinnati P. O.)—School—Bd. Educ., 511 West Court St., having plans prepared by S. Hannaford & Sons, archts., 1024 Dixie Terminal Bldg., Cincinnati, 2 story, 10 room, rein.-con., brick and stone, rein-con. foundation, Reading Rd. and Rockdale Ave., here. $150,000. W. E. Bodenstein, 405 2nd Natl. Bank Bldg., Cincinnati, engr.

O., Cincinnati—School—Bd. Educ., 511 West Court St., having plans prepared by Tietig & Lee, archts. and engrs., 901 4th Natl. Bank Bldg., 5 story, 76 x 121 ft., brick, rein.-con. foundation, McMillan and Clifton Ave. $400,000.

O., Cleveland—Commercial and Office—Chester-Twelfth Co., c/o C. H. Quinlan, Swetland Bldg., having plans prepared by W. S. Ferguson Co., archts., 1900 Euclid Ave., 12 story, 130 x 130 ft., brick, steel and concrete, East 12th St. and Chester Ave. $1,000,000.

O., Cleveland — Convent, School, etc.—Sisters of Good Shepherd, East 30th St. and Carnegie Ave., having plans prepared by W. Koehl, archt., Park Bldg., 4 and 1 story and basement, 600 ft. long, convent, school and power house, brick, steel and concrete, Stop 10½ Euclid Line. $350,000.

O., Cleveland—Sales and Office—Studebaker Corp. of America, c/o E. J. Murane, local mgr., 2020 Euclid Ave., having plans prepared by W. S. Ferguson Co., archts., 1900 Euclid Ave., 3 story and basement, 54 x 190 ft., brick and rein.-con., 2000 Euclid Ave. $300,000.

O., Columbus—School—Bd. Educ., Town and High Sts., having plans prepared by H. D. Smith, archt., 50 East Town St., 2 story and basement, 72 x 176 ft., brick and concrete, concrete pile foundation, Lincoln Park. $175,000.

O., Columbus—Schools—Bd. Educ. plans improvements to East High School. $75.000, Sullivant School $32,200, 4th St. School $49,000, Feiser School $44,000, 2nd Ave. School $50,000, also an addition to Bellows Ave. School $65,000.

Mich., Benton Harbor—Y. M. C. A. having plans prepared and takes bids in spring, 4 story and basement, 90 x 135 ft rein.-con. and brick, incl. cafeteria, swimming pool, gymnasium, etc., Colfax St. $175,000. Private plans.

Mich., Detroit—Apartment—G. T. Bader, 221 Moffat Bldg., having plans prepared by J. Kasurin, archt., 512 Empire Bldg., 4 story and basement, 70 x 91 ft., brick and steel. $150,000.

Mich., Detroit—Apartment—G. M. Copeland, 758 Glynn Court, having plans prepared by Williams Bros., archts., 1111 Kresge Bldg., 3 story and basement, 60 x 120 ft. brick and steel, plain foundation, Collingwood Ave. $150,000.

Mich., Detroit—Apartment—Kohner & Seeler, archts., 1402 Kresge Bldg., preparing plans 3 story and basement, 92 x 140 ft. concrete, brick and steel, plain foundation, Philadelphia Ave. $225,000. Owner's name withheld.

Mich., Flint—Schools—Bd. Educ. having plans prepared by Malcomson, Higginbotham & Palmer, archts., 405 Moffat Bldg., Detroit, two 3 story, rein.-con., brick and steel, plain foundations. $750,000 each.

Mich., Grand Ledge—High School—Bd. Educ. having sketches made by E. Batterson, archt., Kalamazoo, 3 story, rein.-con. and brick, plain foundation. Election soon to vote on $175,000 bonds.

Mich., Grand Rapids—Office—Furniture Temple Bldg. Co., 321 Grand Rapids Natl. Bank, having sketches made by G. L. Stone, archt., Widdicomb Bldg., 9 story, 100 x 170 ft. rein.-con., brick and steel, addition, Lyon St. $300,000.

Mich., Hamtramck (Detroit P. O.)—School—Bd. Educ. having plans prepared by J. G. Kastler & Co., archts., Detroit Savings Bank Bldg., Detroit, 2 story and basement, 20 room, rein.-con., brick and steel, plain foundation. $250,000.

Mich., Ironwood — High School — Bd. Educ., having plans prepared by Croft & Boerner, archts., 1006 Marquette Ave., Minneapolis, Minn., 3 or 4 story and basement, rein.-con., brick, stone and tile. $700,000. Noted Oct. 19.

Mich., Kalamazoo—City Hall—City plans election to vote on $1,500,000 bonds for 7 story, 66 x 198 ft. rein.-con., brick and stone, Burdick St. Architect not selected.

Mich., Paw Paw—High School—Bd. Educ. having sketches made by E. Batterson, archt., Hanselman Bldg., Kalamazoo, 3 story, concrete, brick, steel and stone plain foundation. Plans to vote on $175,000 bonds. E. Hawley, secy.

Mich., St. Joseph—Y. W. C. A. having plans prepared and takes bids in spring, 3 story and basement, 70 x 132 ft. rein.-con. and brick building incl. gymnasium, swimming pool, dormitories, auditorium, etc., Lake Dr. $150,000. Private plans.

Ill., Chicago—Office, etc.—Mansure Co., 16th St. and Indiana Ave., plans 8 story office and factory. $2,000,000. Architect not announced.

Ill., Chicago—Temple and Community House—Kehilath Anshe Mayriv Congregation c/o Newhouse & Bernham, archts., 4630 Prairie Ave., having revised plans prepared 3 story, 125 x 200 ft., rein.-con., brick and steel, Drexel Blvd. and 50th St. $800,000. Noted March 30.

Wis., Madison—Dormitories—University of Wisconsin plans 4-6 story, brick, rein.-con. and steel dormitories, plain foundations. $600,000. M. E. McCaffery, secy. Architect not selected.

Wis., Madison—Hotel—Hotel Madison Co., c/o E. Clarenboch, proprietor Hotel Martin, 21 Wisconsin St., Milwaukee, having preliminary plans prepared by C. Barkhausen, archt., 79 Wisconsin St., Milwaukee, and G. Post & Sons, consult. engrs., 101 Park Ave., New York City, 8 story and basement, 90 ft. high, rein.-con. or structural steel, plain foundation. $1,000,000.

Wis., Madison—Hotel—Hotel Wisconsin Co., c/o W. Schroeder, 86 Michigan St., Milwaukee, having plans prepared by M. Tullgren & Sons Co., archts., 425 East Water St., Milwaukee, 9 story and basement, 80 x 160 ft., brick and concrete, plain foundation, here. $1,000,000.

Wis., Milwaukee—Administration, etc.—Creamery Package Mfg., 61 West Kinzie Ave., Chicago, had plans prepared by M. Tullgren & Sons., archts., 425 East Water St., 3 story and basement, 165 x 266 ft., administration building and warehouse, rein.-con. and brick, plain foundation, West Division St., here. $500,000.

Wis., Pulaski—Church and Auditorium—Church of Blessed Virgin Mary having plans prepared by Smith & Reynolds, archts., Dempsey Blk., Manitowoc, 2 story, 76 x 181 ft., brick, rein.-con. and stone, plain foundation. $150,000.

Ia., Atlantic—Hotel—C. R. Jones, having plans prepared by C. W. Farnham, archt., 1037 Lumber Exch., Minneapolis, Minn., 3 story and basement, 100 x 140 ft., rein.-con., brick and stone, here. $165,00.

Ia., Cedar Rapids—Court House and Jail—Linn Co. having plans prepared by J. W. Royer, archt., Flat Iron Bldg., Urbana, Ill., for court house and jail, 2nd Ave. and Court St., here. $750,000. H. R. Churchill Marion, aud. Noted Nov. 16.

Ia., Des Moines—Store and Office—Silverberg & Lince, S and L Bldg., soon receive bids 10 story and basement, 67 x 130 ft., rein.-con., brick, tile and stone, 5th and Walnut Sts., Boyd & Moore, 1020 Grand Ave., archts. Contract for footings let to J. A. Benson Constr. Co., 422 Valley Natl. Bank Bldg., $13,500.

Ia., Fairfield—School—Bd. Educ. having plans prepared by W. Gordon, archt., 319 Hubbell Bldg., Des Moines, 2 story and basement, brick, tile and stone. $150,000 bonds voted. C. Emery, secy.

Ia., Ida Grove—School—Dec. 19 to vote on $175,000 bonds for school. J. T. Peterson, secy. Bd. Educ.

Ia., Palla—School—Central College plans 4 story and basement, 50 x 60 ft., with one 3 story, 60 x 112 ft. and one 3 story 60 x 88 ft. wing, rein.-con., brick, tile and stone, on campus, here. $250,000. M. J. Hollman, pres. Noted Nov. 9.

Ia., Sioux City—Fire Station—City having plans prepared by E. R. Swanson, archt., 302 Smith Apt., for fire station, 6th and Water Sts. $250,000.

Ia., Sioux City — Hospital — Methodist Episcopal Hospital, 14th and Jones St., having plans prepared by Beuttler & Arnold, archts., 406 Grain Exch. Bldg., for 4 story and basement, brick and steel. $300,000. G. T. Notson, supt. Noted Oct. 12.

Ia., West Union—Court House—Fayette Co. having plans prepared by J. G. Ralston, archt., L & J Bank Bldg., Waterloo, and will open bids after Jan. 1, 3 story, rein.-con., brick, tile and stone. $300,000. Noted Feb. 23.

Minn., Minneapolis—High Schools—Bd. Educ., City Hall, rejected bids opened Nov. 23, 3 story and unfinished basement, 45 x 250 x 300 ft. with 1 story, 40 x 300 ft. wing, 5th St. S.E. and 13th Ave.; also 3 story and unfinished basement, 45 x 250 x 300 ft. with 1 story, 60 x 80 ft. wing, 26th St. and Emerson Ave. S., both rein.-con., brick and tile. Will revise plans and readvertise. Division of Design, Bd. Educ., City Hall, archts. Noted Dec. 7.

Neb., Fairbury—High School—Bd. Educ. having plans prepared by Fiske & McGinnis, archts., Bankers Life Bldg., Lincoln, 2 story, rein.-con. and brick, plain foundation. $150,000.

Mo., Columbia—Hotel—Bd. Control of Council Residence Hall, Methodist Women, having plans prepared by Jamieson & Spearl, archts., Arcade Bldg., St. Louis, 3 story, 40 x 65 x 125 ft., stone, plain foundation, 9th and University Sts. $125,000-$150,000.

Mo., Nevada—Dec. 22 to vote on $315,000 bonds for school. C. A. Smith, 602 Finance Bldg., Kansas City, archt.

Mo., St. Louis—Hotel—Hotel Jefferson Co., 12th and Locust Sts., soon takes bids 13 story, 220 x 275 ft., rein.-con., brick and steel addition, caisson foundation, Locust and 13th Sts. $2,500,000. T. P. Barnett, Arcade Bldg., archt.

Mo., Sedalia — Schools — Voted $500,000 bonds for new high school and Summit School. Noted Dec. 7.

Tex., Austin—Hotel—Baker Hotel Co., San Antonio, having plans prepared by Sanquinet, Staats & Hedrick, archts., 1st Natl. Bank Bldg., Ft. Worth, and takes bids before March 1, 11 story, 65 x 90 ft., rein.-con., brick and concrete, here. $400,000.

Tex., Dallas—Club, etc.—Dallas Athletic Club had plans prepared by Lang & Witchell, archts. and engrs., Amer Exch. Natl. Bank Bldg., and opens bids in January, 12 story and basement, club incl. dormitories, rein.-con., brick and steel, plain foundation, Elm and Live Oak Sts. $1,000,000.

Okla., Oklahoma City—Clubhouse—B. P. O. E., had plans prepared by J. Hicks, archt., 19½ West Main St., and soon takes bids 5 story and basement, 40 x 100 ft. rein.-con., brick and stone, 3rd and Harvey Sts. $300,000.

Okla., Tulsa—Church—First Methodist Episcopal Congregation, 1101 South Boulder Sts., having revised plans prepared by Wright & Wright, archts., 1st Natl. Bank Bldg., Kansas City, Mo., 1 story, basement and balcony, rein.-con., stone and steel, 11th and Boulder Sts. $400,000.

Okla., Tulsa—Office—Sinclair Oil Co., Sinclair Bldg., having plans prepared by

Buildings (Continued)

Price & Hoit, archts., Reliance Bldg., Kansas City, Mo., 8 story and basement, rein.-con. and brick. $250,000.

Ore., Eugene—Hotel—Tortellette & Hummel, archts., Title & Trust Bldg., Portland, preparing plans and takes bids about Feb. 1, 6 and 9 story, concrete, on 100 x 100 ft. site, 10th St., here. $300,000. F. Berger, Eugene, represents owners.

Ore., Portland — Apartment — Miller & Tobey, archts., Henry Bldg., preparing plans and take bids about Feb. 1 for 4 story and basement, rein.-con., on 100 x 100 ft. site, 25th and Hawthorne Sts., for J. C. Moore, Portland. $150,000.

Calif., Lodi — Store and Theatre — A. Salomon, Lodi, (street address not available), plans store and theatre. $150,000. Architect not selected.

Calif., Los Angeles — Apartment — A. C. Blumenthal, et al., 105 Montgomery St., San Francisco, having plans prepared by Macdonald & Couchot, archts., 234 Pine St., San Francisco, 12 story, 130 x 159 ft., Wilshire Blvd. $1,000,000.

Calif., Marysville — Club — American Legion, having plans prepared by J. Morgan, archt., Merchants Exch. Bldg., San Francisco, club, 9th and E Sts. $150,000. W. L. Huber, 1st Natl. Bank Bldg., San Francisco, civil engr.

Calif., Napa — Sanitarium — Atlas Peak Sanitarium, c/o C. H. Bulson, Napa, having plans prepared by J. Morgan, archt., Merchants Exch. Bldg., San Francisco, group of building, on 170 acre site, Harris Ranch. $300,000.

Calif., Reedley—Hotel—Chamber of Commerce will organize building association to finance construction of fireproof hotel, G St. $200,000. Ellery, Frost & Patten, 1913 Fresno St., Fresno, engrs.

Calif., Sacramento — Hotel — W. H. McMorry, et al., 10th and K Sts., having preliminary plans prepared by J. Kossic, archt., c/o owner, 10 story, fireproof, 11th and K Sts. $150,000.

Calif., San Diego—Theatre—R. E. Hicks, 4250 Arguello St., having plans prepared by W. H. Wheeler, archt., Spreckels Bldg., concrete and steel, 2,000 seating capacity. $600,000.

Calif., San Francisco — Club — Pacific Coast Jockey Club, c/o H. Spreckels, secy., 1st Natl. Bank Bldg., had plans prepared by G. A. Applegarth, archt., Claus Spreckels Bldg., 2 story, frame and plaster, Tanforan Race Track. $150,000.

Calif., San Francisco—Loft—L. A. Myer, 68 Post St., having plans prepared by S. L. Hyman, archt., Foxcroft Bldg., 2 story, 47 x 160 ft., rein.-con., Howard and Mary Sts.

Calif., Santa Barbara—College—State plans additions to college incl. administration, training school and auditorium. $585,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Que., Montreal—Office and Store—Dominion Sq. Realty Co., (street address not available), having plans prepared by Ross & McDonald, archts., Belmont St., 10 story, 113 x 170 ft., St. Catherine and Peel Sts. $3,250,000. D. B. Munger, pres.

Que., Sherbrooke — Schools — Catholic School Comrs., take bids about Jan. 8, for 2 brick and steel schools. $310,000. Architect not selected.

Ont., Bridgeburg—Hospital—Welland Co. Memorial Hospital plans brick addition to hospital. $200,000.

Ont., London — Dormitories — Western University Governors, having plans prepared by J. M. Moore, archt., 489 Richmond St., 3 story, and basement, stone. $500,000.

Que., Sherbrooke—High School—Protestant School Com. takes bids about Jan. 8, new brick and steel high school. $150,000. Architect not selected.

Ont., Welland — Hospital — Welland Co. Hospital Bd. plans wing addition, Main St. $225,000. J. Moore, Port Colborne, .chn. Architect not selected.

BIDS DESIRED

Conn., New Haven—Church—J. A. Heller, pastor St. Boniface Roman Catholic Church, 229 George St., taking bids and opens same about Jan. 1, 1 story and basement, 55 x 120 ft., brick and stone, plain foundation, State St. $150,000. G. A. Zunner, 182 High St., Hartford, archt. Noted Feb. 2.

Conn., New Haven—Home—Norton & Townsend, archts., 839 Chapel St., taking bids 3 story and basement, 50 x 130 ft., brick and steel, plain foundation, Dixwell Ave., for Jewish Home for Children. $150,000. Noted Nov. 30.

N. Y., Bath—Municipal—Jan. 5, at office of J. W. Taggert, village clk., for municipal building; adv. this issue.

N. Y., Brooklyn — Bank — Holmes & Winslow, archts. and engrs., 134 East 44th St., New York, taking bids and opens same about Jan. 2, 2 story, brick, steel and stone, plain foundation, Atlantic and Pennsylvania Ave., here, for East New York Savings Bank, Atlantic Ave. $500,000. Noted Dec. 7.

N. Y., New York—Apartment—One Thousand One Hundred and One Park Ave. Corp., c/o R. Candella, archt. and engr., 200 West 72nd St., 14 story, 100 x 125 ft., brick, steel and stone, plain foundation, Park Ave. $150,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York — Apartment — One Hundred and Seventy First St and Audubon Ave. Corp., c/o V. C. Farrar, archt. and engr., 4 East 39th St., 5 story, 100 x 120 ft., brick, steel and stone, plain foundation, Audubon Ave. and 171st St. $150,000. Work will be done by separate contracts under supervision of architect.

N. J., Elizabeth—School—Jan. 11, by Bd. Educ., South Broad St., additions and alterations to P. S. 12, Magie Ave. and Springfield Rd. C. Godfrey Poggi, 275 Morris Ave., archt.; adv. this issue.

Pa., Ardmore—Apartment—J. F. Haberson, archt., Otis Bldg., Phila., taking bids 3 story and basement, 100 x 100 ft. brick, steel and stone, plain foundation, Akens Ave. and Simpson Rd. $300,000. Owner's name withheld.

Pa., Holmesburg (Phila. P. O.)—Kitchen—Dec. 20, by Director Dept. Pub. Welfare, City Hall, 1 story, 75 x 115 ft. concrete, brick and steel, plain foundation. $150,000. J. P. B. Sinkler, 1211 Chestnut St., Phila., archt.

N. C., Raleigh—School—Dec. 20, by Twp. School Com., 3 story and basement, brick. $150,000. S. B. Underwood, supt. of schools. C. G. Sayre, Allen Bldg., archt.

La., Baker—Dormitories—Jan. 4, by Favrot & Livaudais, archts., Hibernia Bank Bldg., New Orleans, 3 brick dormitory buildings, here, for Leyland College. $150,000. Contract does not include mechanical equipment.

O., Arlington—School—Jan. 4, by Bd. Educ., 2 story, 62 x 135 ft., brick, steel and concrete. $150,000. T. D. McLaughlin, Savings Bldg., Lima, archt.

O., Cleveland—Apartment—J. Narosny, 13407 3rd Ave., East Cleveland, taking bids 3 story and basement, 80 x 110 ft., brick and steel, plain foundation, 861 Thornhill Dr., here. $150,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland — Display and Sales — Walker & Weeks, archts., 1900 Euclid Ave., taking bids 4 story, 60 x 123 ft., brick, steel and concrete, 7023 Euclid Ave., for Schwegler & Co., 6501 Euclid Ave. $200,000. Noted Sept. 7.

O., Cleveland—Hospital—Jan. 3, by R. S. Harsh, archt., Ohio Hartman Bldg., Columbus, 1 story and basement, 180 x 180 ft., concrete and brick, at Cleveland State Hospital, here, for Dept. Pub. Welfare, 9th and Oak Sts., Columbus. $275,000. Noted Sept. 14.

O., Lakewood (Cleveland P. O.)—Apartment—S. Koslen, 1077 East 97th St., Cleveland, taking bids 3 story, 97 x 124 ft., brick and steel, 11833 Lake Ave., here. $150,000. M. Weis, 617 Union Bldg., Cleveland, archt. Noted Nov. 16.

Mich., Detroit—Apartment—C. D. Lundblad, archt., 206 New Telegraph Bldg., taking bids and opens same about Dec. 20, 4 story and basement, 95 x 135 ft. brick, steel and stone, plain foundation, Willis Ave. and Brush St. $250,000. Owner's name withheld.

Mich., Port Huron—School—Dec. 18, by Secy. Bd. Educ., 3 story, 50 ft. high, 150 x 283 ft. rein.-con., brick and steel, plain foundation, 10th St., $250,000. Van Leyen, Schilling, Keough & Reynolds, 3440 Cass Ave., Detroit, archts.

Ill., Chicago — Administration, etc. — Creamery Package Mfg. Co., 61 West Kinzie St., and M. Tullgren & Sons Co., archts., 425 East Water St., Milwaukee, Wis., receiving bids 3 story and basement, 165 x 266 ft. administration building and warehouse, rein.-con. and brick, plain foundation, West Division St., here. $500,000.

Ill., Chicago—Apartment and Store—D. G. Wallace, archt., 22 West Monroe St., receiving bids 3 story and basement, 75 x 125 ft., rein.-con., brick and steel, Wilson and Eastwood Sts. $150,000. Owner's name withheld.

Ill., Chicago—Apartment—A. White, 133 West Washington St., (representing owner) receiving bids 3 story and basement, 103 x 129 ft., rein.-con., brick and steel, 78th St. near Ada St. $150,000. A. Bishop & Co., 35 South Dearborn St., archts. Owners name withheld.

Ill., Chicago—Store and Apartment—D. Blumrosen c/o Newhouse & Bernham, arcts., 4630 Prairie Ave., receiving bids 4 story, 58 x 125 ft., rein.-con., brick and steel, Lawrence Ave. and Central Park. $150,000

Wis., Milwaukee — Apartment — J. Humholz, 2310 Vliet St., taking bids and opens same about Dec. 18, 6 story and basement, 53 x 104 ft., rein.-con. and brick, plain foundation, Biddle St. $150,000. Private plans. Noted Nov. 23.

Wis., Milwaukee—Store—H. J. Esser, archt., 82 Wisconsin St., taking bids 8 story and basement, 78 x 120 ft. and 60 x 177 ft. addition, rein.-con. and terra cotta, plain and wood pile foundation, Grand Ave., for Gimbel Bros., 3 Grand Ave. Noted May 18.

Wis., Racine—Lodge and Commercial—Columbus Bldg. Assn., c/o A. J. Weber, pres., 1600 Racine St., taking bids 3 and 4 story and basement, 60 x 114 ft., brick and concrete, plain foundation. $150,000. Private plans.

Ia., West Union—Court House—Fayette Co. receiving bids 3 story, rein.-con. and stone. $300,000. J. G. Ralston, L & J Bldg., Waterloo, archt.

Kan., Lawrence—Library—Jan. 2, by Kansas University, 4 story and sub basement, 84 x 151 ft., rein.-con., brick, steel and stone. $250,000. R. L. Gamble, Topeka, state archt.

Mo., Kansas City — Club — Dec. 24, by Marquette Council 1698, Knights of Columbus, 4 story and basement, 129 x 137 ft., rein.-con., brick and stone, Forest Ave. and Armour Blvd. $400,000. A. F. Adams, 500 Walix Bldg., archt. H. A. Noble, 411 Reliance Bldg., engr. Noted Aug. 10.

Wash., Kelso—Hotel—Long Bell Lumber Co., 14th and Kenwood Sts., Kansas City, Mo., taking bids, 6 story and basement, 82 x 134 ft., brick, stone and terra cotta, near here. $350,000-$400,000. F. E. McIlvain, 1001 Orear Leslie Bldg., Kansas City, Mo., archt. Noted Sept. 21.

Calif., Bakersfield—Lodge—C. Werner, archt., Santa Fe Bldg., San Francisco, receiving bids 4 story and basement, rein.-con. and hollow tile, 18th St., here, for Masonic Temple Assn. $200,000. A. S. Crites, secy. Noted Feb. 2.

BIDS RECEIVED

N. Y., Flushing—Dormitories, etc.—C. B. J. Snyder, supt. School Buildings of Bd. Educ., Flatbush Ave. extension and Concord St., Brooklyn, opened bids Dec. 11, dormitories, masters house, etc., for Parental School on westerly side of road between here and Jamaica, about 1,700 ft. south of North Hempstead Turnpike, here, from T. A. Clarke, Inc., 122 Livingston St., Brooklyn, $447,000; C. Meads Co., 217 West 14th St., New York, $471,000; L. M. Neckerman, Inc., 103 Park Ave., New York, $474,895. Noted Dec. 7.

O., Cleveland—High School—Bd. Educ., East 6th St. and Rockwell Ave., opened bids Dec. 4, general contract 3 story, brick, steel and concrete, West 46th St. and Hyde Ave., from J. F. Hohlock, Davis & Farley Bldg., $619,983, P. Kirschner & Co., 1104 Prospect Ave., $650,750; heating and ventilating, from Becker-Seidel Co., 324 Prospect St., $89,990. Noted Nov. 23.

CONTRACTS AWARDED

Calif., Santa Clara—Science—University of Santa Clara, 3 story, rein.-con., from J. S. Sampson, Monadnock Bldg., San Francisco, $161,000; Brown & Stafford, Madera, $167,271; Lange & Bergstrom, Inc., Sharon Bldg., San Francisco, $167,500. Noted Dec. 7.

Mass., Boston—Apartment—Charles St. Apartment Trust, 134-142 Charles St., will build three 4 story, brick, stone and steel plain foundations, Charles St. $275,000. Private plans.

Mass., Boston—Apartment—Grishaver & Cartoof, 1082 Commonwealth Ave., will build five 4 story apartment buildings, 17,500 sq.ft. floor space, concrete and brick, wood pile foundation, Commonwealth and Sutherland Aves., by day labor. $400,000. Silverman, Brown & Heenan, 51 Cornhill, archts.

Mass., Brookline (Boston P. O.)—Apartment—Berch & Cadigan, 130 Shawmut Ave., Boston, will build 4 buildings, each 3 story, 40 x 60 ft., concrete and brick, Babcock St., here, by day labor. $300,000. F. A. Norcross, 46 Cornhill, Boston, archt.

Mass., Lowell—Bank—Lowell Five Cents Savings Bank, John St., 2 story, 70 x 100 ft., brick, stone and concrete, plain foundation, John St., to W. Coulson, 1 Hayward St., Cambridge. Archts. est. $150,000.

Conn., Rockville — School — Rockville School Dist., 1 story and basement, brick and steel, Maple and Union Sts., to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $150,000. Noted Nov. 30.

N. Y., Brooklyn — Apartment — Kraslow Building Co., Inc., c/o Shampan & Shampan, archts. and engrs., 50 Court St., 5 story, 75 x 133 ft., brick, steel and stone.

Buildings (Continued)

plain foundation, Church Ave. and East 21st St., by day labor. $180,000.

N. Y., New York—Apartment—Benenson Realty Co., c/o C. Schaefer, archt. and engr., 394 East 150th St., will build 4 story, 100 x 120 ft., brick, steel and stone, plain foundation, Grand Concourse and 173rd St., by day labor. $300,000.

N. Y., New York—Apartment—L. Klosh, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., 5 story, 100 x 150 ft., brick, steel and stone, plain foundation, Wadsworth Ave., by day labor. $350,000.

N. Y., New York—Apartment—Lasberg Realty Corp., c/o M. Courland, archt. and engr., 47 West 34th St., 6 story, 100 x 150 ft., brick, steel and stone, plain foundation, Andrews Ave. and West 176th St., by day labor. $250,000.

N. Y., New York—Apartment—J. H. Miles Building Corp., c/o Margon & Glaser, archts. and engrs., 2806 3rd Ave., will build 6 story, 100 x 100 ft., brick, steel and stone, plain foundation, Clinton Pl., by day labor. $200,000.

Pa., Phila.—Hospital—Jefferson Hospital, 12th and Sansom Sts., 14 story, 90 x 115 ft. brick, stone and marble, 12th and Sansom Sts., to Wark & Co., 231 South Broad St., $1,400,000.

Ga., Atlanta—Schools—For 2 story and basement, 68 x 385 ft., to McDevitt Fleming Co., McC and Lindsey Sts., Chattanooga, $400,000; 3 story and basement, 260 x 360 ft., to Southern Ferro Concrete Co., Trust Co. Georgia Bldg., $200,000. Noted Nov. 2.

Ky., Louisville—Lodge—Preston Lodge 281, 2 story and basement, marble, 515-517 East Bway., to Platoff & Bush, 120 West Liberty St., $160,000.

O., Bowling Green—Dormitory—Bd. Trustees State Normal College, 3 story and basement, 40 x 150 ft., brick, stone and concrete on campus, to Watts-Suhrbier Co., 1235 Miami St., Toledo, $138,138. Noted Dec. 7.

O., Cleveland—Commercial and Market—Bway. Properties Co., c/o G. R. McKay of Associated Investment Co., Guardian Bldg., 1 and 2 story, 193 x 213 ft., brick, steel and concrete, Cable Ave. and Bway., to C. F. Minnick Constr. Co., 701 Guardian Bldg. Archts. est. $500,000. Noted Nov. 17.

O., Cleveland—Temple and School—Tifereth Israel Congregation, c/o L. M. Wolf, chn. Building Comn., Hickox Bldg., 2 and 4 story, brick, steel and concrete, concrete pile foundation, East 105th St. and Anse Rd., to J. Gill & Sons, Citizens Bldg. Archts. est. $1,000,000. Noted Oct. 19.

O., Columbus—Hotel—Neil House Co., 12 story, 187½ ft. square, brick, steel and terra cotta, South High St., to Boyle-Robertson, Constr. Co., Evans Bldg., Wash., D. C., $3,500,000.

Mich., Detroit—Hotel and Store—J. Barlum, 5737 Second Blvd., 10 story, 40 x 100 ft. rein.-con., brick and steel, plain foundation, Farmer and John Sts., to O. Misch, 159 East Columbia Ave.

Mich., Detroit—Mercantile—G. F. Webber, 1414 Gratiot Ave., 5 story and basement, 60 x 90 ft. concrete, brick and steel, plain foundation, Gratiot Ave., to Bryant & Detwiler Co., 2336 Dime Bank Bldg. Archts. est. $150,000. Noted April 13.

Ill., Chicago—Apartment—A. Smith, 1339 South Lawndale Ave., 3 story and basement, 200 x 200 ft., rein.-con., brick and steel, 3537-53 West Madison St., to Douglas Constr. Co., 3939 West Adams St. Archts. est. $350,000.

Ill., Chicago — Store, Office and Apartment—H. Schlackett, 5400 West Madison St., 3 story, 77 x 130 ft., rein.-con., brick and steel, 5303-9 West Madison St. to Thogerson & Erickson, 4104 North Kedzie Ave. Archts. est. $200,000.

Wis., Sheboygan—Theatre—Rex Theatre Co., 710 North 8th St., 2 story, 50 x 110 ft., brick, rein.-con. and stone, plain foundation, 8th St., to F. Geib, 1439 South 9th St. Archts. est. $150,000. Noted Sept. 7.

Ia., Cedar Rapids — Hospital — Mercy Hospital Assn. c/o Sister Cepheas, 4 story and basement, rein.-con., brick, tile and stone, 6th Ave. between 8th and Division Sts., to Lightner Bros., Granby Bldg. Archts. est. $250,000. Noted Aug. 31.

Ia., Ottumwa—High School—Bd. Educ. 4 story and basement, to Natl. Contg. Co., 311 Metropolitan Bank Bldg., Minneapolis, Minn., $700,000.

Kan., Leavenworth—High School—Bd. Educ. general contract 2 story and basement, 101 x 155 ft., rein.-con., brick and stone, to G. Walker, Salina, $182,520. Archts. est. $250,000. All heating and plumbing bids rejected. Noted Nov. 2.

Tex., San Antonio—School—General contract for 1 story with partial 2nd floor for cafeteria, rein.-con. and brick, concrete footings, to L. E. Shelton, 1902 River Ave. $145,947. Noted Nov. 30.

GATE VALVES, ETC.—BROOKLYN, N. Y. ..

Bids were opened by Bd. Water Supply, Dec. 5, for furnishing and delivering gate valves and hydrants for Mt. Prospect, Park Slope, Fort Hamilton and Clove Conduits and Narrows Siphon No. 2 of Catskill Aqueduct, Contr. No. 213, (A) Michigan Valve & Fdry. Co., 3631 Parkinson Ave., Detroit; (B) Kennedy Valve Mfg. Co., East Water St., Elmira; (C) Coffin Valve Co., Neponset, Mass. The unit bids were as follows:

	A	B	C	Average Bid
4 48-in. turbine-driven gate-valves	$3,030 75	$4,663 37	$5,385 00	$4,359 707
29 48-in. hand-operated gate-valves	2,521 55	3,597 37	4,100 00	3,406 307
15 36-in. gate-valves	1,680 00	2,477 24	3,000 00	2,385 747
14 24-in. gate-valves	816 77	1,652 96	2,000 00	1,489 91
33 20-in. gate-valves	526 00	1,192 25	1,300 00	1,006 083
2 16-in. gate-valves	409 09	1,799,77	1,185 00	1,131 287
40 12-in. gate-valves	164 96	552 26	535 00	417 407
2 8-in. gate-valves	33 24	39 05	50 00	40 763
50 6-in. gate-valves	21 03	26 40	35 00	27 477
9 5-in. gate-valves	15 34	26 40	40 00	27 247
45 6-in. hydrants	46 37	55 45	75 00	58 94
Extended totals	$150,000	$252,442	$285,695	

Tex., Waco—Library—Baylor University, 5th and Speight Sts., 2 story and basement, rein.-con. and brick, plain foundation, to Johnson Constr. Co., Waco. $150,000. Noted Oct. 5.

Calif., Redwood City—High School—Sequoia Union High School Dist., constructing high school, general contract to R. Trost, 26th and Howard Sts., San Francisco, $210,704; plastering to L. Bosch, 180 Jessie St., San Francisco, $42,320; heating and ventilating to J. F. McGowan, 180 Jessie St., San Francisco, $33,997; plumbing to Christensen & Anderson, Palo Alto, $36,111. Noted Dec. 7.

Calif., San Francisco—Apartment—A. J. Falvey, 2099 Lake St., will build 5 story and basement, Sutter St. near Leavenworth St., by day labor. $150,000. Private plans.

Calif., San Francisco—Store and Club—O'Brien Bro., Inc., archts., 240 Montgomery St., 2 story, brick, Market St. near 12th St., to F. L. Hansen, 251 Kearney St., for Loyal Order of Moose, Lodge 26, 105 Jones St. $100,000. Noted Oct. 12.

Federal Government Work

PROPOSED WORK

Del., Wilmington—Dredging—U. S. Engineer, rejected bids for dredging Tuckerton Creek, N. J. Noted Sept. 7.

O., Cincinnati—Horses and Props—U. S. Engineer, 1st Dist., plans to purchase horses and props for Dams 34, 36 and 38, Ohio River.

O., Cincinnati—Metal Work—U. S. Engineer, 405 Custom House, plans metal work for Dams 36 and 38 in Ohio River.

BIDS DESIRED

N. Y., Tupper Lake—Drainage System—Spec. 4723—Dec. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., drainage system at U. S. Veterans Hospital, here. L. E. Gregory, ch. of Bureau.

N. Y., Tupper Lake—Roads, etc.—Spec. 4727—Dec. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., for roads, sidewalks, etc., at U. S. Veterans Hospital, here. L. E. Gregory, ch. of Bureau; adv. this issue.

Pa., Phila.—Fuel Oil—Dec. 26, at office U. S. Engineer, 815 Witherspoon Bldg., furnishing 37,000 bbl. fuel oil for floating plant.

Pa., Phila.—Remodeling—Dec. 28, by Treas. Dept., Wash., D. C., remodeling on 1st and 2nd floors, lookout gallery, etc., in U. S. Post Office and Court House, here. J. A. Wetmore, acting superv. archt.

Md., Edgewood Arsenal—Quarters—Dec. 27, by Constructing Quartermaster, U. S. Army, Edgewood Arsenal, for 20 sets officers quarters; adv. this issue.

O., Cincinnati—Pipe Line Dredge—Jan. 15 at office U. S. Engineer, 405 Custom House, for one 24 in. pipe line dredge.

Ala., Birmingham—Changes—Dec. 29, by Treas. Dept., Wash., D. C., changes in U. S. Post Office and Court House, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Tex., Del Rio—Drainage System—Jan. 3 by Treas. Dept., Wash., D. C., for complete sanitary drainage piping in U. S. Post Office Courthouse, etc., here. J. A. Wetmore, acting superv. archt.

Wash., Tacoma—Hospital—Jan. 16, by Director, U. S. Veterans Bureau, in offices Quartermaster-General, 2306 Munitions Bldg., Wash., D. C., for Neuro-Psychiatric Hospital, at American Lake, here; adv. this issue.

Ore., Portland—Scows—Dec. 26, at office U. S. Engineer, 1st Dist., for two 70 x 22 x 6 ft. steel dump scows.

H. T., Pearl Harbor—Refrigerating and Ice-Making Plant—Spec. 4735—Jan. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., for refrigerating and ice-making plant, here. L. E. Gregory, ch. of Bureau. Noted Oct. 19.

BIDS RECEIVED

California—Road—C. H. Sweetser, dist. engr., U. S. Bureau Pub. Rds., 881 Mills Bldg., San Francisco, opened bids Nov. 28, grading and building structures on 10.9 mi. Adin-Adin Summit Natl. Forest Highway, about 28 mi. southwest of Alturas, Modoc Co., (engrs. est. $84,890), from D. H. Ryan, 1615 Fern St., San Diego, $94,060 less equipment rental $1,204; C. R. Hall, Reno, Nev. (street address not available) $101,638 less equipment rental $2,666; A. A. Tieslau, 2819 Grove St., Berkeley, $108,833; J. Welsh, San Francisco, (street address not available), $111,246 less equipment rental $3,000. Noted Nov. 16.

California—Road—C. H. Sweetser, dist. Engr., U. S. Bureau Pub. Rds., 881 Mills Bldg., San Francisco, opened bids Nov. 24, grading and building structures on 15.1 mi. Cuyama Rd. in Santa Barbara Natl. Forest, Santa Barbara and San Luis Obispo Counties, from S. Hunter, Santa Barbara, Sect. A, $188,222 less equipment rental $2,200, Sect. B, $514,796 less equipment rental $9,300; Boyd Bros., San Diego (street address not available), Sect. A, $178,204 less equipment rental $9,806, Sect. B, $403,148 less equipment rental $28,628, Sect. C, $583,879 less equipment rental $44,043; Warren Constr. Co., Bacon Bldg., Oakland, Sect. A, $178,967; W. A. Bechtel, San Francisco, (address not available) Sect. B, $659,255; C. H. Hudson, Marsh-Strong Bldg., Los Angeles, Sect. C, $491,602; Palmer & McBryde, 503 Market St., San Francisco, Sect. C, $578,288. Noted Nov. 16.

CONTRACTS AWARDED

Pa., Pittsburgh—Barges—U. S. Engineer, Pittsburgh, 3 steel deck barges to McWilliams Co., Inc., Exch. Bldg., Memphis, Tenn., $85,082. Noted Nov. 2.

Del., Wilmington—Dredging—U. S. Engineer, Wilmington, dredging in Tuckerton Creek, N. J., to Independent Bridge Co., May Bldg., Pittsburgh, Pa., $40,020.

S. C., Charleston—Dredging—U. S. Engineer dredging western channel and Sampit River, Winyah Bay, to Seaboard Dredging Co., Durkee Bldg., Jacksonville, Fla., $99,594. Noted Oct. 26.

Ga., Savannah—Catamarans—U. S. Engineer furnishing 25 pontoon catamarans for U. S. Dredge Morgan, to C. Ward Eng. Co., Charleston, W. Va. (street address not available), $22,375. Noted Oct. 5.

Fla., Jacksonville—Dredging—U. S. Engineer, Jacksonville, dredging in Key West Harbor, here, to Clark Dredging Co., Miami (street address not available), 63,000 cu.yd. $1.43 per cu.yd. Noted Nov. 2.

Mo., St. Louis—Earthwork—Secretary Mississippi River Comn., 1311 International Life Bldg., 380,000 cu.yd. earthwork, near Apex, Kings Lake D.D. to McWilliams Co., Inc., Exch. Bldg., Memphis, Tenn., $0.2239 per cu.yd., total $85,082. Noted Nov. 30.

Mo., St. Louis—Earthwork—Secretary Mississippi River Comn., 1311 International Life Bldg., 170,000 cu.yd. hydraulic fill above Cairo, Ill., in sub-district 1 of drainage Union Dist. 1, Ill., to La Crosse Dredging Co., 405 Plymouth Bldg., Minneapolis, Minn., $43,690. Noted Nov. 30.

Okla., Chandler — Post Office — Treas. Dept., Wash., D. C., for U. S. Post Office, here, to C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $43,900 (12 months). Noted Dec. 7.

Miscellaneous

PROPOSED WORK

Wharf and Bulkhead—Weymouth (Boston P. O.), Mass.—Edison Electric Illuminating Co. of Boston, 70 State St., Boston, having preliminary plans prepared, wharf and bulkhead adjoining proposed power plant, here. $50,000. Stone & Webster, Inc., 147 Milk St., Boston, archts. and engrs.

Park—Binghamton, N. Y.—Plans to convert property of Weed Tannery Co.

Miscellaneous (Continued)

into modern park. $50,000. **W. E. Weller,** city engr.

Road Oil—Mayville, N. Y.—Bd. Supervs. Chautauqua Co. plan to purchase about 285,000 gal. road oil. S. Fitch, Westfield, co. engr.

Road Oil Machine—Mayville, N. Y.—Bd. Supervs. Chautauqua Co. soon take bids for road oiling machine (complete), $3,000. S. E. Fitch, Westfield, co. engr.

Transmission Lines—Pennsylvania—See "Industrial Works."

Crane—Blawnox, Pa.—Blaw-Knox Co., Freeport Rd., Pittsburgh, and Blawnox, does not plan to purchase 10 ton crane as stated in our issue of Nov. 23.

Transmission Line—Galeton, Pa.—See "Industrial Works."

Elevated Railways—Phila., Pa.—Soon takes bids 3 mi. 3 track elevated railway from Christian and Broad Sts., to 49th St. and Paschall Ave., $22,000,000, also 4 mi. 2 track elevated railway from Hunting Park Ave. and Broad St. to Olney Ave., $14,000,000. H. H. Quimby, 1211 Chestnut St., engr.

Playgrounds — Phila., Pa. — Takes bids early in 1923 playground at Kensington and Frankford Aves., incl. clubhouse, wading pool, lockers, etc., $100,000; playground at Ann and Cedar Sts., clubhouse, paving, grading, etc., $120,000; playground at 11th and Lombard Sts., clubhouse, lockers, grading paving, etc., $100,000. J. P. B. Sinkler, 1211 Chestnut St., archt.

Subway—Phila., Pa.—Dept. Transit, 1211 Chestnut St., takes bids within 90 days, 4 track subway under Broad St. from League Island Navy Yard to Olney Ave. $55,000,000. W. Twining, dir.

Electric Light System—Plaquemine, La.—See "Waterworks."

Stone Washer and Crushing Machine—Chattanooga, Tenn.—Gager Lime & Mfg. Co., James Bldg., taking bids stone washer and crushing machine, 200 ton capacity. M. P. Kennedy, secy.

Stadium—Youngstown, O.—Bd. Educ., 20 West Wood St., plans stadium, 20,000 seating capacity. $150,000. G. Rudge, Jr., 742 Elm St., chn. building com.

Road Machinery — Antigo, Wis. — Langlade Co. appropriated $10,000 for road machinery incl. gravel screening plant. C. Olsen, comr.

Road Machinery—Black River Falls, Wis.—Jackson Co. appropriated $3,000 for road machinery, incl. 1 tractor, 12 ft. grader and 2 patrol graders. W. Tibbits, comr.

Road Machinery — Darlington, Wis. — Lafayette Co. appropriated $5,000 for road machinery, incl. tractor, drags and graders. C. H. Priestley, comr.

Road Machinery—Durand, Wis.—Pepin Co. appropriated $3,500 for road machinery, incl. Holt 10 ton tractor and large grader. G. A. Goss, comr.

Road Machinery—Elkhorn, Wis.—Walworth Co. appropriated $5,000 for road machinery. H. J. Peters, comr.

Road Machinery—Fond du Lac, Wis.—Fond du Lac Co. appropriated $10,000 for road machinery. G. Treleven, comr.

Road Machinery, etc.—Friendship, Wis.—Adams Co. appropriated $2,000 for road machinery, incl. patrolmen's outfits. J. A. McGregor, comr.

Road Machinery — Green Lake, Wis.—Green Lake Co. Bd. appropriated $8,000 for road machinery, incl. crusher plant. D. C. Williams, comr.

Road Machinery — Hayward, Wis. — Sawyer Co. appropriated $4,000 for road machinery, incl. large grader, patrol graders, etc. E. J. Collett, comr.

Truck, etc.—Jefferson, Wis.—Jefferson Co. appropriated $19,000 for truck and patrolmen's equipment. R. D. Royce, comr.

Road Machinery—Lancaster, Wis.—Grant Co. appropriated $12,000 for road machinery incl. 1 tractor, 2 trucks, one 12 ft. blade grader, 10 patrol graders and 10 road drags. H. Mink, comr.

Tunnels—Madison, Wis.—University of Wisconsin plans underground tunnels for heating and water systems, etc. $107,500. J. D. Phillips, Purch. Agt.

Road Machinery—Medford, Wis.—Taylor Co. appropriated $9,000 for road machinery. C. Kelnhofer, comr.

Road Machinery—Milwaukee, Wis.—Milwaukee Co. appropriated $10,000 for road machinery. W. F. Cavanaugh, comr.

Road Machinery—Oconto, Wis.—Oconto Co. appropriated $5,000 for road machinery for 1923. E. W. McAllister, comr.

Road Machinery—Richland Center, Wis.—Richland Co. appropriated $14,000 for road machinery, incl. 1 truck, 1 rock crusher, 1 large grader, 1 tractor, 1 small cement mixer, 4 patrol graders, 12 road drags. W. V. Robinson, comr.

Golf Links, etc.—Omaha, Neb.—Happy Hollow Country Club, 54th St. and Underwood Ave., having surveys made golf links and country club. $75,000 each. Langford & Moreau, 104 South Dearborn St., Chicago, golf archts. Bruce & Grupe, 408 Finance Bldg., engrs.

Stadium—Omaha, Neb.—Creighton University, 25th and California Sts., having plans prepared for stadium. $150,000. J. Latenser & Sons, 732 Peters Bldg., archts.

Stadium, etc.—University Place, (Lincoln P. O.), Neb.—Nebraska Wesleyan University, had plans prepared by Fiske & McGinnis, archts., Bankers Life Bldg., Lincoln, 1 story, 42 x 187 ft. stadium, 25 x 75 ft. enclosed swimming pool, etc. $75,000.

Memorial Tower—Columbia, Mo.—University of Missouri Memorial Fund had plans prepared by Jamieson & Spearl, archts., Arcade Bldg., St. Louis, and soon takes bids, 50 x 60 ft. memorial tower, 145 ft. high, steel and stone, concrete foundation, on campus. $150,000. Two 2 story and basement wings will be added later.

Aircraft Hanger—Kansas City, Mo.—See "Industrial Works."

Grand Stand—Kansas City, Mo.—Kansas City Baseball Club, 20th and Olive Sts., having plans prepared by Osborn Eng. Co., archts., 2848 Prospect Ave., Cleveland, O., single deck, brick and steel grand stand, 20,000 seating capacity. $250,000.

Headers and Dykes—Alamosa, Colo.—Alamosa Co. rejected bids for headers and dykes in Rio Grande Del Norte River, near here. $25,000. Will readvertise. L. D. Blauvelt, State Office Bldg., Denver, engr.

Golf Course, etc.—Halifax, N. S.—Brighwood Golf & Country Club plans improving golf course and clubhouse. $130,000.

Grain Elevator — Montreal, Que. — Montreal Harbor Comrs., plans 10,000,000 bu. grain elevator. $10,000,000. W. L. McDougald, pres.

Skating Rink — Montreal, Que. — Loyola College, Sherbrooke St. W., plans large skating rink, 125 x 250 ft., Sherbrooke St. W. T. McLaren, 264 Beaver Hall, archt.

Drilling Wells—Port Royal, Ont.—Dominion Gas Co., Port Rowan, plans drilling gas wells here. $40,000. Prices wanted on piping and equipment.

Hydro Electric Development—Quebec, Que.—Quebec Development Co., c/o W. L. Lee, engr., 511 5th Ave., New York City, plans hydro electric development along Saguenay River. $10,000,000.

Cement, Crushed Stone, etc.—London, Ont.—Takes bids end of January on cement, crushed stone, asphalt and all iron castings for sewer work. $100,000. H. A. Brazier, city engr.

Grain Elevator — Owen Sound, Ont. — Owen Sound Elevator Co., having plans prepared grain elevator, steel and cement, on waterfront. $150,000. R. Patterson, mgr. Prices wanted on materials. Private plans.

BIDS DESIRED

Portland Cement—Brooklyn, N. Y.—Dec. 21, by E. Riegelmann, boro pres., Boro Hall, furnishing and delivering 3,500 bbl. Portland cement.

Subway — Brooklyn, N. Y. — Dec. 22, by Transit Comn., 49 Lafayette St., New York, two-track subsurface railroad extending under Bushwick Ave. from Meserole to Boerum Sts., also subsurface railroad extending along and under 4th Ave. from 87th to 95th Sts., here. G. McAneny, chn.

Bulkhead, etc.—Mineola, N. Y.—Dec. 26, by Bd. Supervs. Nassau Co., Court House, constructing bulkhead and filling for improvement of Long Beach Rd. between Barnum Island Creek and the Upland. J. Merritt, clk.; adv. this issue.

Wood Paving Blocks—New York, N. Y.—Dec. 19, by Bd. Purch., Municipal Bldg., furnishing and delivering creosoted wood paving blocks to Dept. Plant & Structures. G. A. Whalen, chn.

Sewer Scraper Machine—Lewistown, Pa.—J. H. Godd, chn. Sewer Com. taking bids sewer scraper. $600. Boro. also plans to enlarge sewerage system.

Crane—Norwood, Pa.—Penn. Equipment Co., taking bids 25 ton, 45 ft. boom, 8 wheel locomotive crane equipped with clamshell bucket.

Crushed Stone and Bituminous Material—Phila., Pa.—Dec. 16, by T. F. Armstrong, purch agt., 316 City Hall, 25,000 ton ½ to 2½ in. crushed stone. $35,000; 85,000 gal. cold patch bituminous material, $50,000.

Pile Driving—Milwaukee, Wis.—Dec. 22, by Sewerage Comn., 508 Market St., driving piles in connection with sewage disposal system. J. H. Fowles, secy.; adv. this issue.

Crushed Stone—Lincoln, Neb.—See "Sewers."

Portland Cement, etc.—St. Louis, Mo.—Dec. 17, by G. H. Oetting, supply comr., 1,258 bbl. Portland cement in sacks, 140 squares ¾ in. macadam, 430 ton Mississippi River and 60 ton Meramec River sand, to be delivered in wagon lots to new Fairground locker building, 60 ton 6 in. and 30 ton 8 in. c.i. pipe to be delivered to Water Dept. yards, Kingshighway.

Pier—San Diego, Calif.—Dec. 22, by W. P. Bates, city purch. agt., first unit of mole type pier No. 2, 305,000 cu.yd. excav., 12,000 ton rock fill, 4,500 lin.ft. curtain retaining wall of precast rein.-con. with 500 wooden piles with concrete jackets and 200 wooden anchor piles. $200,000. F. G. White, Ferry Bldg., San Francisco, engr.

Dry Dock Machinery—Esquimalt, B. C.—Jan. 15, by R. C. Desrochers, secy. Dept. Pub. Wks., Ottawa, Ont., pumping and other machinery for dry dock, here. $50,000.

Crane—Kilgard, B. C.—Dec. 28, by Comrs. Sumas Dyking Dist., 8 ton traveling crane. $4,000. G. P. Moe, engr.

BIDS RECEIVED

Gate Valves, etc.—New York, N. Y.—Bd. Water Supply, Municipal Bldg., opened bids Dec. 5, furnishing and delivering gate valves and hydrants for Mt. Prospect, Park Slope, Fort Hamilton and Clove Conduits and Narrows Siphon 2 of Catskill Aqueduct, Contr. 213, from Michigan Valve & Fdry. Co., 3631 Parkinson Ave., Detroit, Mich., $150,000; Kennedy Valve Mfg. Co., East Water St., Elmira, $252,442; Coffin Valve Co., Neponset, Mass., $285,695. Noted Nov. 16.

Electroliers—Berkeley, Calif.—Installing 151 electroliers in University Ave., from Osborne Electric Co., Turlock, $36,503; Butte Electric & Mfg. Co., 534 Folsom St., San Francisco, $39,292; H. C. Reid & Co., 115 Mission St., San Francisco, $39,380. Noted Oct. 26.

CONTRACTS AWARDED

Enlarging Subway Station — Cambridge (Boston P. O.), Mass. — Boston Elevated Ry. Co., 108 Massachusetts Ave., Boston, enlarging and altering Harvard Sq. subway station, here, to Coleman Bros., Charlestown and Cambridge, $83,633. Noted Nov. 23, under Boston.

Oil Tanks—Fall River, Mass.—New England Oil Refining Co., New St., erecting three 30 x 77 ft. steel oil tanks, and one 30 x 95 ft. tank, to Phoenix Iron Wks., Mercer and Railroad Sts., Meadville, Pa., $15,000, and Reeves Bros. Co., Rush St., Alliance, O., $25,000.

Coaling Plant—Worcester, Mass.—New York, New Haven & Hartford R.R., South Station, Boston, will build coaling plant, rein.-con., at freight yards, here, by day labor. $40,000. Private plans.

Gas Holder—Bristol Conn.—Bristol and Plainville Tramway Co., foundation and superstructure of 1,000,000 cu.ft. capacity gas storage holder, at plant, Riverside Ave., to F. T. Ley & Co., Inc., 499 Main St., Springfield, Mass.

Tunnel and Turbine—Stamford, Conn.—Stamford Gas and Electric Co., 11 Bank St., rein.-con. tunnel and foundation for large turbine, at plant, to T. J. Pardy Constr. Co., 1387 Seaview Ave., Bridgeport. Engrs. est. $30,000.

Dock—Newark, N. J.—Dept. Streets & Pub. Impvts., City Hall, 1,000 ft. relieving platform, type of marginal dock, at Port Newark Terminal, to Allen N. Spooner & Sons, Inc., Pier 11, N.R., New York City. $187,347. Noted Nov. 16.

Foundation—Milwaukee, Wis.—Milwaukee Elks Lodge, 448 Jefferson St., foundation for 9 story and basement, 110 x 145 ft., brick and concrete club, plain foundation, to Dahlman Constr. Co., 456 Bway., $84,412. Total cost $1,000,000. Noted Nov. 16.

Footings—Des Moines, Ia.—See "Buildings" under Bids Desired.

Power Lines—Dallas, Tex.—See "Industrial Works."

Wharf—Isleton, Calif.—J. F. Butts Co., 2 Pine St., San Francisco, constructing 100 x 260 ft., loading wharf, pile foundation, to Davidson & Nicolsen, 180 Jessie St., San Francisco.

Tram Wall—Steveston, B. C.—Dominion Government, Ottawa, Ont., 4,100 ft. tram wall built of brush mattress wired together with No. 6 galvanized telephone wire anchored with one man rocks, at King Edward Cut, Woodwards Channel on Fraser River, incl. 15,000 cu.yd. brush, 35,000 lb. wire, 62,000 ton rock, etc., to Pacific Constr. Co., 510 Hastings St. W., Vancouver. $100,000.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: **Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.**

Rate:
40 Cents a Line an Insertion

Plans and Specifications **for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.**

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Dec. 19.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock P.M., on Tuesday, December 19, 1922, for the improvement of highways in the following counties:

Albany ....(one highway: 0.23)
Cattaraugus ....(one highway: 0.15)
Monroe ....(one highway: 0.12)
Ontario ....(one highway: 0.41)
Otsego ....(one highway: 0.48)
Steuben ....(one highway: 4.24)
Suffold ....(two highways: Gravity Concrete Retaining Wall)

Also for the reconstruction of the following:

Montgomery...(two contracts: 1.50 & 2.50)
Niagara ....(one contract: 5.13)
Steuben ....(one contract: 3.00)
Suffolk ....(one contract: 4.50)
Tioga ....(one contract: 3.18)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the roads are to be improved or reconstructed. The addresses of the Division Engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner.
State Commission of Highways.
J. C. FINCH,
Secretary.

Bids: Jan. 5 (Date of closing extended).

Reservoir Dam

Bluefield, W. Va.

Sealed proposals or bids for the construction of a clay or earthen dam, containing about 40,000 cubic yards of material, to be sluiced into place, will be received at the office of the BLUEFIELD WATER WORKS & IMPROVEMENT COMPANY, at Bluefield, West Virginia, until three o'clock P.M., on the 5th day of January, 1923, when they will be publicly opened and read. All proposals shall be enclosed in an envelope furnished by the above styled company and shall be accompanied by a certified check on some national bank, in the sum of five (5%) per cent of the amount of the proposed bid. The contractor to whom the award is made will be required to furnish surety company bond in the sum of thirty five (35%) per cent of the amount of the contract, within thirty days after official notice of the award of contract and in accordance with the terms of the specifications. The right is reserved to reject any or all bids. Drawings, specifications and blank forms of proposals may be consulted at the office of company, 601 Princeton Avenue, Bluefield, West Virginia, or they will be forwarded by mail upon request if $4.00 accompanies the order. This amount will be refunded upon return of the plans and specifications in reasonably good order.

BLUEFIELD WATER WORKS & IMPROVEMENT COMPANY.
WM. McCARTHY,
Superintendent.
November 23rd, 1922.

OFFICIAL PROPOSALS

Bids: Jan. 1.

Road Bed, Bridges and Culverts

Kelso, Wash.

Sealed proposals for the construction of roadbed, bridges and culverts for approximately eight and one-half (8½) miles of railroad in Cowlitz County, Washington, will be received by the Longview, Portland & Northern Ry. Company at its offices at Kelso, Washington, up to 2 o'clock P.M., January 1st, 1923, when they will be opened and read, such eight and one-half (8½) miles being regarded by the company as the first unit of contemplated construction expected to total twenty-six (26) miles, contract expected to be let early in 1923.

Drawings, specifications and form of proposal, contract and bond are on file in the office of the Chief Engineer, Kelso, Washington, and may be inspected by prospective bidders; or same will be furnished to interested parties on deposit of Ten Dollars ($10.00), which will be refunded upon return of papers in good condition.

Bids must be made on proposal forms to be furnished by the company and in the manner designated therein, same to be inclosed in sealed envelope bearing the name and address of the bidder and to be marked "Bid for Railroad Construction."

The principal quantities involved are approximately as follows:

153,580	cubic yards common excavation.
39,300	cubic yards loose rock excavation.
59,300	cubic yards solid rock excavation.
222,660	cubic yards embankment borrow.
649,710	station yards overhaul.
924	lin. feet 18 in. concrete culvert pipe.
672	lin. feet 24 in. concrete culvert pipe.
60	lin. feet 30 in. concrete culvert pipe.
380	lin. feet 36 in. concrete culvert pipe.
70	lin. feet 42 in. concrete culvert pipe.
43,860	lin. feet piling.
514,500	ft. B.M. lumber for trestles.

Each proposal must be accompanied by a certified check payable to the Longview, Portland & Northern Ry. Company for not less than five (5) per cent of the total amount of the bid as a guarantee that contract will be entered into if awarded.

The person or persons, if any to whom the contract is awarded will be required to file a bond in a sum not less than 50 per cent of the total amount bid, with good and sufficient sureties, to guarantee the faithful performance of the contract.

Special attention of the bidder is called to "Information for Bidders" included in the proposal forms.

The right is reserved to reject any and all bids.

LONGVIEW-PORTLAND & NORTHERN RY. COMPANY.
By WESLEY VANDERCOOK,
Chief Engineer.

Bids: Dec. 28.

Resurfacing Streets

Mobile, Ala.

Bids will be received by the Board of City Commissioners of the City of Mobile for resurfacing with either Asphalt, Warrenite Bitulithic Asphaltic Concrete, Type No. 1, and Asphaltic Concrete, Type No. 2, until noon, December 28th, 1922, 45,868 square yards of one and half inch surface, 45,868 square yards of one inch binder.

Plans and specifications can be had at the office of the City Engineer. The right is reserved to reject any or all bids.

R. V. TAYLOR, Mayor.
WRIGHT SMITH, City Engineer.

OFFICIAL PROPOSALS

Bids: Jan. 11.

Public School Additions

Elizabeth, N. J.

Sealed proposals will be received by "The Board of Education of the City of Elizabeth, in the County of Union," State of New Jersey, at a meeting to be held at the office of the Board of Education on South Broad Street, Elizabeth, New Jersey, on the eleventh day of January, 1923, at eight-thirty o'clock in the evening of that day, for the erection and completion of certain new additions and alterations to Public School No. 12, corner of Magie Ave. and Springfield Road in the City of Elizabeth, New Jersey.

Proposals to be considered must be made out on forms supplied by the architect, and must be in strict accordance with the requirements of the plans and specifications.

Bids to be submitted separately on each division of the work as expressly provided for by the plans and specifications on each of the following divisions of the work, namely, "General Construction," "Plumbing," "Electrical," "Heating and Ventilating," and all kindred thereto in each case.

Alternate Bids.—Each and every bidder shall also estimate on the alternate requirements mentioned in the plans and specifications and shall so designate the amounts to be added or deducted from the base bid, as the case may be, in the space allotted to same on the bid blank.

Plans and specifications may be obtained on application at the office of the architect, C. Godfrey Poggi, 275 Morris Ave., Elizabeth, N. J., or examined in the office of the secretary of the Board of Education, and each applicant shall state definitely the branch of work he intends to bid upon.

A deposit of $25 (twenty-five dollars), will be required of each bidder receiving plans and specifications, which shall be returnable conditionally upon the return to the architect of the plans and specifications within the specified time limits. No bidder shall receive more than one set of plans for this building, and no such deposit nor payment shall be construed to give any bidder ownership of the plans and specifications.

Retention of Plans.—Bidders shall not retain plans and specifications longer than the time limits mentioned in the specifications under penalty of forfeiture of the deposit money.

Sub-contractors shall obtain plans and specifications from general contractors.

Bidders may be required to qualify to the satisfaction of the Board of Education, both as to financial responsibility and capability of efficient execution of the work.

Contractors to whom contracts may be awarded shall furnish a surety company bond satisfactory to the Board of Education equal to 100% (one hundred per cent), of the contract price, as provided for and in accordance with the specifications.

All bidders shall tender with their bids a certified check or surety bond in amount equivalent to 10% (ten per cent), of the base bid for the purpose mentioned in and by the specifications.

The Board of Education reserves the right to reject any and all informalities, and award contracts either in part or as a whole, as may be deemed best for the interest of the Board of Education.

WM. J. KENEALY,
WILLIAM SEFTON,
HORACE K. CORBIN,
HERMAN HERSH,

Committee on Sites and New Buildings of "The Board of Education of the City of Elizabeth, in the County of Union," N. J.

OFFICIAL PROPOSALS

Bids: Dec. 27.

Dock Wall

TERMINAL CONTRACT NO. 53-B.

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Wednesday, December 27th, 1922, at which place and hour they will be publicly opened and read, for the construction of barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, and Chapter 402 of the Laws of 1920, as follows:

TERMINAL CONTRACT NO. 53-B.

For constructing certain portions of the dock-wall at Ohio Basin, Buffalo.

Contract plans, sheets 1 to 3, inclusive.

Plans may be seen and detailed specifications, engineers' estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works, at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.
November 23rd, 1922.

OFFICIAL PROPOSALS

Bids: Dec. 28.

Sewage Disposal Plant

DIVISION III—SECTION 4

Indianapolis, Ind.

Sealed proposals will be received by the Board of Sanitary Commissioners, Sanitary District of Indianapolis, at its office in the City Hall, Indianapolis, Indiana, until 10 A.M., December 28th, 1922, at which time bids will be publicly opened and scheduled and awards made as soon thereafter as practicable, for furnishing and erecting mechanical equipment of Section 4, Division III, for the Sewage Disposal Plant of the Sanitary District of Indianapolis, in accordance with plans and specifications on file at the office of the board. This construction and equipment consists of the following items:

4-a. Cast Iron Pipe and Specials.
4-b. Low Pressure Gate Valves.
4-c. Power Plant Piping.
4-d. Standard and High Pressure Valves.
4-e. Air Washing Equipment.
4-f. Electric-Centrifugal Pumping Units.
4-g. Electric Wiring and Fixtures.
4-h. Rotary Dryers, Stokers and Conveying machinery.
4-i. Sludge Filters.

Each bidder shall be required to deposit with his bid a certified check in the amount as provided in said specifications and information to bidders, to secure the execution of the contract for which bid is made.

Copies of plans and specifications and general information may be obtained at the office of Charles H. Hurd, Consulting Engineer, 1405 Merchants Bank Building, Indianapolis, Indiana.

The board reserves the right to reject any and all bids.

BOARD OF SANITARY
COMMISSIONERS.
JAY A. CRAVEN, President.
JOHN L. ELLIOTT, Vice-Pres.
LUCIUS B. SWIFT.

Bids: Dec. 26.

Road Work

Penns Grove, N. J.

Notice is hereby given that sealed bids will be received by the Mayor and Common Council of the Borough of Penns Grove for the construction of certain streets in the Borough of Penns Grove, in the County of Salem, with a bituminous macadam surface; estimated amount of pavement required is 20,793 square yards; and opened and read in public at the Borough Hall, Penns Grove, N. J., December 26th, 1922, at 8 P.M., standard time.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by Keasbey & Sparks, Engineers, have been filed in the office of the said engineers at Salem, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blueprints of the drawings by the engineers on proper notice.

By order of the Mayor and Common Council of the Borough of Penns Grove.

CLYDE W. STRUBLE, Clerk.

Bids: Jan. 2.

Sewer

Wilkes-Barre, Pa.

Sealed proposals will be received by Fred H. Gates, City Clerk, Wilkes-Barre, Pennsylvania, for constructing a four and six-foot circular brick or segmental block sewer, about seventeen hundred feet in length. Bids close Tuesday, January 2nd, 1923, at 12 o'clock noon, and will be opened by City Council on the same day at three o'clock P.M. Plans and specifications may be had from B. K. Finch, City Engineer, upon making a deposit of $10.00, said deposit to be refunded upon receipt of bid or upon return of specifications to City Engineer on or before January 15th, 1923. Each bid must be accompanied by a certified bank check of bidder in the sum of $1,000.00 made payable to the City of Wilkes-Barre. Successful bidder must furnish to said city a surety company bond in the full amount of contract. Proposals to be endorsed "Proposals for Sewer" and addressed to Fred H. Gates, City Clerk, City Hall, Wilkes-Barre, Pennsylvania. The City Council reserves the right to reject any or all bids received.

¶Procrastination bears the reputation of being a thief of time. ¶You'll find it the thief of your money if you continue to put off the building up of your credit in the Bank of Bond Underwriting.

SWART
Contract Bonds Compensation Insurance
92 William St., New York.

OFFICIAL PROPOSALS

Bids: Dec. 19.

Mt. Prospect Conduit

CONTRACT 196

New York, N. Y.

Sealed bids will be received by the Board of Water Supply, at its offices, twenty-second floor, Municipal Building, Park Row, Centre and Chambers Streets, New York City, until 11 A.M., Eastern Standard time, on Tuesday, December 19, 1922, for Contract 196, for the construction of the Mt. Prospect conduit, a portion of the City conduits of the Catskill aqueduct, extending from Shaft 24 of the City tunnel in Fort Greene park, along Cumberland Street, Lafayette, Washington and Flatbush Avenues to Clarkson Avenue, in the Borough of Brooklyn, New York City.

The conduit will consist of about 10,530 linear feet of 72-inch and 6,270 linear feet of 66-inch steel pipe, about 360 tons of cast-iron pipe and special castings of various sizes, a Venturi meter, valves and other appurtenances, all of which will have to be maintained for one year.

At the above place and time the bids will be publicly opened and read. Pamphlets containing information for bidders, forms of bid and contract, specifications, contract drawings, etc., can be obtained at the office of the Secretary at the above address, by depositing the sum of ten dollars ($10) in cash or its equivalent for each pamphlet. For further particulars apply to the office of the Chief Engineer at the above address.

GEORGE J. GILLESPIE,
President.
JAMES P. SINNOTT,
PHILIP F. DONOHUE,
Commissioners, Board of Water Supply.
BENJ. F. EINBIGLER, Secretary.

Bids: Jan. 24.

Garbage Incinerator Plant

Fargo, N. D.

Sealed proposals will be received at the office of the City Auditor until 10 A.M. on the 24th day of January, 1923, for the erection and construction of a complete plant for the incineration of all garbage collected by the City of Fargo, having a capacity of thirty-five (35) tons per twenty-four hours. The plant shall be completed, tested and ready for acceptance by the City of Fargo on or before July 1st, 1923. Bidders will submit detailed plans and specifications of their plan of construction including the cost for such a plant, completed and tested ready for operation and showing the method of incineration and the cost of operation per ton. Bidders shall also guarantee that no obnoxious gases or odors will be created in the operation of the plant.

Proposals must be accompanied by a certified check payable to the order of the City of Fargo in amount equal to five (5) per cent of the total cost of the plant, conditioned that the successful bidder will enter into a contract and give bond for the construction of the plant, according to the proposal.

The City of Fargo reserves the right to reject any and all bids.

A. R. WATKINS,
City Auditor.

Dated at Fargo, N. D.,
November 29, 1922.

Bids: Dec. 30.

Ditch Construction

Greenfield, Ind.

Sealed bids will be received at the Surveyor's Office, Room L, Court House, Greenfield, up until 2 P.M. on Saturday, December 30, 1922, for the construction of the George W. Putterbaugh, et al., Ditch.

The following are the approximate quantities of materials:

4,000 lineal feet 30 inch tile.
1,100 lineal feet 14 inch tile.
8 catch basins.
3,000 cubic yards of excavation.

The 30 inch tile may be of either clay, shale, or concrete as specified.

Plans and specifications will be mailed to any address upon receipt of check for $10.00 made payable to the engineer.

CHARLES BOONE,
Engineer.

Greenfield, Indiana.

Crushing Sand Stone

Johnstown, Pa.

Proposals requested on the crushing of 8,000 cu.yd. sandstone, Cambria County, Pa.

McCLURE & BINGNER CO., INC.,
Johnstown, Pa.

Dec. 5, 1922.

OFFICIAL PROPOSALS

Bids: Dec. 21.

Sewer System Improvements

Corinth, Miss.

Sealed proposals will be received at the office of the City Clerk of Corinth, Mississippi, up until 7:00 o'clock p.m., of Thursday, the 21st day of December, 1922, for furnishing materials, labor and constructing complete according to the Plans and Specifications, Improvements to the Sewer System.

Each bidder must state in his proposal his full name and business address, and the proposal must be properly executed by an officer of the firm authorized to execute same.

A certified check for five (5%) per cent of the amount of each bid made payable to the Treasurer of the City of Corinth, Mississippi, must accompany each bid. This check will be held as an assurance that the successful bidder will enter into a contract within ten (10) days after Notice of award and will fulfill the conditions of Article 24 of the General Specifications, to guarantee the execution of same. Plans and Specifications are on file with the City Clerk of Corinth, Mississippi, and at the office of the Consulting Engineers, Fuller & Beard, Room 616 Title Guaranty Bldg., St. Louis, Missouri.

Parties desiring extra copies of Plans and Specifications for their personal use may obtain same from the Engineers. A deposit of $10.00 shall be made for a complete set of Plans and Specifications, $6.00 of which will be returned upon the receipt of the Plans and Specifications in good condition.

Bids must be sealed and addressed to M. T. Sharp, City Clerk, Corinth, Mississippi, and on the outside of the envelope must be plainly written "Proposals for Improvements to Sewer System."

Bids must be made out on the blank form of Proposal attached hereto.

Bidders are advised and expected to carefully study the Plans and Specifications, also to make a personal inspection of the local condition affecting in any way, the execution of this work, so that after the submission of his Proposal, the contractor shall not make a claim that he did not understand the nature or the approximate amount of work to be done.

The Mayor and City council especially reserve the right to reject any or all bids and waive informalities.

J. A. LOWE,
Mayor.

Bids: Dec. 22.

Sewage Disposal System

OFFICIAL NOTICE NO. 95

Milwaukee, Wis.

Sealed proposals for the construction of work in connection with the Sewage Disposal System for the City of Milwaukee will be received by the Sewerage Commission of said City at its offices, 508 Market St., until 1:30 p.m. the 22nd day of Dec., 1922, at which time and place during the session of the said Commission, the proposals will be publicly opened and read.

The work to be done consists of the driving of approximately 2,000 piles, varying in length from 35 ft. to 50 ft.

The whole of the work shall be completed on or before the first day of March, 1923.

The liquidated damages for not completing the work within the time above stated shall, for each day in excess thereof, be Ten ($10.00) Dollars.

Each proposal must be accompanied by a cash deposit or a certified check drawn to the order of the Sewerage Commission of the City of Milwaukee in the sum of Two Thousand ($2,000.00) Dollars.

Specifications and blank forms of proposal can be obtained and detailed plans examined at the office of the Sewerage Commission.

The Sewerage Commission reserves the right to reject any and all bids submitted.

JOHN H. FOWLES,
Secretary.

Countersigned:
LOUIS M. KOTECKI,
City Comptroller.

OFFICIAL PROPOSALS

Bids: Dec. 21.

Improvements to Waterworks System

Corinth, Miss.

Sealed Proposals will be received at the office of the City Clerk of Corinth, Mississippi, up until 7:00 o'clock p.m., of Thursday, the 21st day of December, 1922, for furnishing materials, labor and construeting complete according to the Plans and Specifications, Improvements to the Waterworks System.

A certified check for five (5%) per cent of the amount of each bid made payable to the Treasurer of the City of Corinth, Mississippi, must accompany each bid. Plans and Specifications are on file with the City Clerk of Corinth, Mississippi, and at the office of the Consulting Engineers, Fuller & Beard, Room 616 Title Guaranty Building, St. Louis, Missouri.

Parties desiring extra copies of Plans and Specifications for their personal use may obtain same from the Engineers. A deposit of $10.00 shall be made for a complete set of Plans and Specifications, $6.00 of which will be returned upon the receipt of the Plans and Specifications in good condition.

Bids must be sealed and addressed to M. T. Sharp, City Clerk, Corinth, Mississippi, and on the outside of the envelope must be plainly written, "Proposals for Improvements to the Waterworks System."

Bids must be made out on the blank form of Proposal attached hereto.

Bidders are advised and expected to carefully study the Plans and Specifications, also to make a personal inspection of the local condition affecting in any way, the execution of this work, so that after the submission of his Proposal, the Contractor shall not make a claim that he did not understand the nature or the approximate amount of work to be done.

The Mayor and City Council especially reserve the right to reject any or all Bids and waive informalities.

J. A. LOWE,
Mayor.

Bids: Dec. 26.

Road Improvement

Mineola, N. Y.

Sealed proposals will be received by the Board of Supervisors of Nassau County in its Chambers, in the Court House at Mineola, Long Island, on Tuesday, December 26, 1922, at 11 a.m. for the Improvement of the Long Beach Road between Barnum Island Creek and the Upland by the construction of bulk head and filling.

Plans and specifications may be seen at the office of the County Engineer at Mineola, Long Island.

Each bid must be accompanied by a certified check on a solvent bank in the sum of three per cent of the amount of the total contract, made payable to the County of Nassau.

The Board of Supervisors reserves the right to reject any or all bids, waive any informality in the bids, and to accept the bid which it deems most favorable to the interest of the County.

By order of the Board of Supervisors.

By JESSE MERRITT,
Clerk.

Dated at Mineola, L. I., December 11, 1922.

Bids: Dec. 21 (Date Extended).

Pumpage and Power Machinery

Wheeling, W. Va.

Notice is hereby given to all bidders on pumpage and power machinery for the new water works plant at Wheeling, West Virginia, that the time for opening bids has been extended from 12 o'clock noon, Tuesday December 12th, to 12 o'clock noon, Thursday, December 21, 1922.

C. H. DOWLER,
City Manager.

OFFICIAL PROPOSALS

Bids: Jan. 5.

Municipal Building

Bath, N. Y.

Sealed proposals will be received at the office of the Village Clerk on or before noon, Jan. 5, 1923, for the construction of a Municipal Building.

Plans, specifications, and blank proposal form may be obtained from John W. Taggart , Village Clerk, Bath, N. Y., upon application and deposit of certified check for twenty-five ($25.00) dollars.

The right is reserved to reject any or all bids.

JOHN W. TAGGART,
Village Clerk.

U. S. GOVERNMENT

SEALED PROPOSALS, indorsed "Proposals for Hospital Construction, Tupper Lake, N. Y., Specification No. 4718," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock A.M., December 28, 1922, and then and there publicly opened, for the following work at the U. S. Veterans' Hospital, Tupper Lake, N. Y.:

Part I. Twelve new buildings and remodeling existing residence, including plain and reinforced concrete; cast concrete; brick and hollow tile work; structural steel interior tile work; wood framing, sash, doors and finish; plaster and metal lath; slate, promenade tile, and tin roofing; sheet metal work; steel sash; steel covered doors; miscellaneous steel and iron work; hardware; painting and glazing, and electric dumbwaiters.

Part II. Plumbing work inside the buildings, including soil, vent and drain piping; hot and cold water lines; interior stand pipe system; all valves, fittings, plumbing fixtures, catch basins and floor drains.

Part III. Complete heating and steam distributing systems for each building and an outside steam distributing system, including high pressure and vacuum return lines; hot water heaters; underground concrete trenches; manholes; and cast iron manhole frames and covers.

Part IV. Lighting systems for each building; nurses' call system; power systems and telephone conduits in certain buildings; and outside electric distributing systems including transformers, panel boards, fixtures, conduits, fibre ducts, and wiring.

Part V. Boiler plant equipment and piping, including brick settings for return tubular boilers, smoke flue, feed water heater, steel storage tank, feed water and vacuum pumps, combined twin pump and receiver, drip traps, incinerator with hot water heating and sterilizing equipment, complete piping systems for all apparatus, and the installation of horizontal return tubular boilers furnished by the Government.

Drawings and specification No. 4718 may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C. Deposits of checks or postal money orders, payable to the Chief of the Bureau of Yards and Docks, are required as security for the safe return of the drawings and specification. Deposits shall be in the following amounts: Part I—$75, Part II—$75, Part III—$20, Part IV—$10, Part V—$10; and complete (all parts) $100.

L. E. GREGORY, Chief of Bureau.
November 11, 1922.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Dec. 7, 1922.—Sealed proposals will be opened in this office at 3 p.m., Dec. 29, 1922, for furnishing the materials and labor required for changes on first and second floors, in the U. S. Post Office and Court House at Birmingham, Ala. Drawings and specifications may be obtained from the Custodian at the building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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AGENTS EVERYWHERE

U. S. GOVERNMENT

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Nov. 29, 1922.—Sealed proposals will be opened in this office at 3 P.M., December 27, 1922, for the construction including mechanical equipment, of the United States Post Office, at Leesburg, Va. Drawings and specifications may be obtained from the Custodian of the site at Leesburg, Va., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

U. S. ENGINEER OFFICE, PITTSBURGH, PA. Sealed proposals will be received here until 12 noon (Eastern Time), December 20, 1922, and then opened for furnishing and delivering steel lock gates for Lock No. 1, Allegheny River. Further information on application.

U. S. ENGINEER OFFICE, WILMINGTON, N. C., Nov. 25, 1922. Sealed proposals will be received here until 12 M., December 26, 1922, and then opened for constructing one 60-foot by 22-foot by 4-foot steel barge. Further information on application.

U. S. ENGINEER OFFICE, WILMINGTON, DEL. Sealed proposals will be received here until 11 a.m., December 20, 1922, and then opened for excavating cut-offs in St. Jones and Mispillion Rivers, Del. Further information on application.

PROPOSALS FOR OFFICERS' QUARTERS.—Sealed proposals will be received by Constructing Quartermaster, U. S. Army, Edgewood Arsenal, Md., until 11:00 a.m., December 27, 1922, and then opened for the construction of twenty sets of frame officers quarters at Edgewood Arsenal, Md. Plans and specifications obtainable upon deposit of $10.00, which will be refunded upon return of same in good condition. Right is reserved to accept any or to reject all bids.

SEALED PROPOSALS, indorsed "Proposals for Roads, Tupper Lake, N. Y., Specification No. 4727," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., December 28, 1922, and then and there publicly opened, for concrete roads and sidewalks, concrete culverts, macadam roads, cobble stone gutters, inlets, catch basins, and terra cotta piping, all at the U. S. Veterans' Hospital, Tupper Lake, N. Y. Drawings and Specifiation No. 4727 may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., or to the Officer in charge of construction U. S. Veterans' Bureau, Tupper Lake, N. Y. Deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau, December 5, 1922.

SEALED PROPOSALS will be received and publicly opened by the Director, U. S. Veterans' Bureau, in the Office of the Quartermaster General, 2306 Munitions Building, Washington, D. C., at 11 A.M., January 16, 1923, for construction of a Neuro-Psychiatric Hospital at American Lake, Tacoma, Washington, for the Veterans' Bureau. Work will include construction of twenty-eight buildings of reinforced concrete, tile and brick, complete with water, lighting, heating and sewer systems, roads and walks. Plans and specifications may be obtained after December 9, 1922, from the Quartermaster General, Room 2306, Munitions Building, Washington, D. C., upon deposit of $100. One set of plans and specifications will be on exhibition at each of the following stations: Constructing Quartermasters at 39 Whitehall St., New York City, and Fort Mason, California, and Quartermaster Supply Officers at 1819 West Pershing Road, Chicago, Ill., Second and Arsenal Sts., St. Louis, Mo., Stacy Street Terminal, Seattle, Washington, and New Post Office Building, Portland, Oregon.

U. S. ENGINEER OFFICE, Florence, Alabama. Sealed proposals will be received here until 11 a.m., December 30, 1922, and then opened, for the construction and delivery of one 15-inch dredging pump for dredge Pettus. Further information on application.

U. S. ENGINEER OFFICE, MILWAUKEE, WIS. Sealed proposals will be received here until 2 p.m., Dec. 20, 1922, and then opened for constructing and delivering steel barges. Further information on application.

U. S. ENGINEER OFFICE, CINCINNATI, O. Sealed proposals will be received here until Jan. 5, 1923, and then opened for the construction of one 24-inch pipe line dredge. Further information on application.

U. S. ENGINEER OFFICE, HUNTINGTON, W. VA., Nov. 29, 1922. Sealed proposals will be received here until 11 a.m. (Eastern time) December 30, 1922, and then opened, for constructing a Fireproof Powerhouse at Dam No. 30, Ohio River. Further information on application.

OFFICE OF CONSTRUCTING QUARTERMASTER, WILLIAM BEAUMONT GENERAL HOSPITAL, EL PASO, TEXAS. Sealed proposals in triplicate will be received at this office until 10:00 A.M., December 20th, 1922, then publicly opened for constructing complete, including utilities, two (2) Field Officers' Quarters; one (1) Bachelor Officers' Quarters, and one (1) Guard House at William Beaumont General Hospital, El Paso, Texas. Plans and specifications furnished upon receipt of certified check for $20.00 to guarantee return.

U. S. ENGINEER OFFICE, NORFOLK, VA. Sealed proposals will be received here until 12 m., January 15, 1923, and then opened, for dredging in Appomattox River, Va. Further information on application.

POSITIONS VACANT

EMPLOYMENT

POSITIONS WANTED

POSITIONS VACANT

A DISTRICT engineer wanted for a large company doing work all over the United States, for permanent position on variety of engineering service in Mississippi and Louisiana wth headquarters at Meridian, at salary of $300 a month. Southern man with long experience in one or both of above states preferred. Address P-345, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

CHIEF draftsman wanted for structural steel plant in Southern City. Send references, experience and name salary. Address P-344, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

DRAFTSMAN, experienced, wanted for structural steel buildings; apply by mail only, giving age, nationality, education, experience and salary expected. Post & McCord, 101 Park Ave., New York.

DRAFTSMAN, experienced on structural steel mill and factory buildings, is wanted by a large industrial corporation. Location, New York City. Permanent position. No shop details. Give age, nationality, and full details as to salary and experience in first letter. P-375, Eng. News-Record, 10th Ave. at 36th St., New York City.

CONSTRUCTION engineer, competent and experienced; bridges, reinforced concrete work, cofferdams, buildings. Work in South. Must be able to handle own job. Give references, salary requirements and education. Box 722, Richmond, Va.

DRAFTSMEN, structural or mechanical, wanted, capable of acting as squad leader and checker. Give full technical experience with accurate information about work you have done. State age and salary desired. P-376, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

ESTIMATORS

Men who are familiar with steel and concrete design and who have had considerable experience in both price and quantity work; technical graduate preferred. These are responsible positions and advance will be rapid to men of ability. State fully qualifications, salary desired and date available in first letter, marked attention Mr. H. F. Miter.

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Attention S. S. Gould, Jr., Vice-Pres.

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P-333, Engineering News-Record
10th Ave. at 36th St., New York City

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P-368, Engineering News-Record,
1570 Old Colony Bldg., Chicago, Ill.